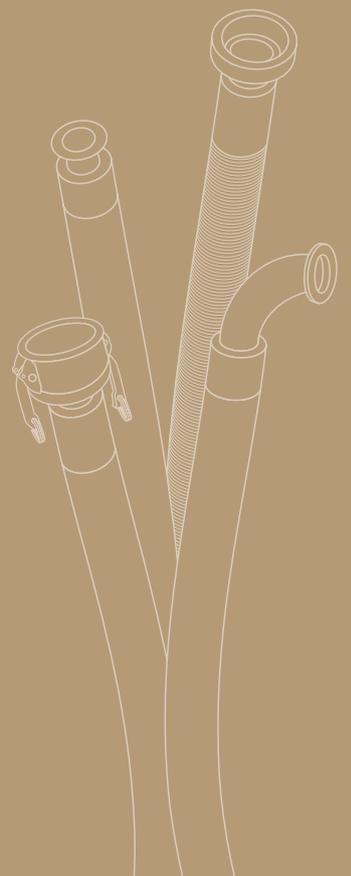




INDUSTRIAL HOSE VELON INDUSTRIAL INC.



VELON INDUSTRIAL INC.

INNOVATE IN SUSTAINABLE FLUID TRANSFER SOLUTIONS SINCE 2009

As a globally certified manufacturer of industrial rubber hoses, Velon Industrial Inc. combines eco-conscious engineering with circular economy principles to deliver high-performance solutions for Air, Water, Oil, Food, Pharmaceutical, and Chemical applications. Committed to minimizing environmental impact, we adhere to Sustainable Manufacturing Principles across our production lifecycle – from sourcing biodegradable materials to implementing renewable energy initiatives.



R&D EXCELLENCE

Velon Industrial Inc. operates a cross-functional R&D team comprising 5+ PhD/MSc-level engineers specializing in polymer science and sustainable materials.

Our R&D lab features advanced testing equipment, including the Mooney Viscosity Test for rubber plasticity, Rheometer Test for rheological properties, Tensile Test Machine for tensile properties, and Roller Wear Test for abrasion properties etc.

WHY PARTNER WITH VELON?

- **Advanced Manufacturing:** Equipped with mandrels and extrusion production lines, we ensure superior flexibility and durability in every hose.
- **Certified Quality:** Backed by ISO9001, FDA, EC, BFR, D.M., and USP certifications, our products adhere to the strictest international standards.
- **Customer-Centric Innovation:** Our passion for research and commitment to inclusivity drive us to solve unique challenges, transforming industry benchmarks into tangible results.

R&D GUIDELINE

- Focus on the high-performance polymer materials.
- Bio-based, recyclable, degradable, low-carbon and environmentally friendly materials.
- All-round customization of functions, structures, materials, and services of products.

From heavy-duty construction to sensitive pharmaceutical transfers, Velon delivers trusted performance because your success flows through our hoses.



PRODUCT CONTENTS

AIR HOSE

NIERUS	SBR Multipurpose Air & Water Hose	05
APOLLO	EPDM Multipurpose Air & Water Hose	06
GAIA	NBR Multipurpose Air & Water Hose	07
GAIA HP	Compressed Air Hose	08
MERCURY	Push Lock Hose	09

WATER HOSE

VOLGA D	Water Delivery Hose	10
VOLGA	Water Suction and Delivery Hose	11
CONGO D	Abrasive Resistant Water Delivery Hose	12
CONGO	Abrasive Resistant Water Suction and Delivery Hose	13
CONGO SUPFLEX	Supflex Abrasive Resistant Water Suction and Delivery Hose	14
NILE CF	Carbon Free Hose	15
KWA	Mold Water Delivery Hose	16
PEARL EPDM	Data Center Cooling Hose	17

OIL HOSE

BAKU	Oil Delivery Hose	18
DHAHRAN	Hydraulic Oil Suction and Discharge Hose	19
PLUTO D	Petroleum Delivery Hose	20
PLUTO	Petroleum Suction and Delivery Hose	21
PLUTO LT	Low Temperature Petroleum Suction and Delivery Hose	22
PLUTO SUPFLEX	Supflex Petroleum Suction and Delivery Hose	23
DOHA C	Aircraft Refueling Hose Type C	24
DOHA E	Aircraft Refueling Hose Type E	25

SANITARY HOSE

CERES D	NBR Food Delivery Hose	26
CERES	NBR Food Suction and Delivery Hose	27
CRATOS	Crush Resistant Food Suction and Delivery Hose	28
ATLAS	Supflex NBR Food Suction and Delivery Hose	29
HESTIA D	EPDM Food Delivery Hose	30
HESTIA	EPDM Food Suction and Delivery Hose	31
DIKE D	NR Food Delivery Hose	32
DIKE	NR Food Suction and Delivery Hose	33
PALLAS D	CIIR Food Delivery Hose	34
PALLAS	CIIR Food Suction and Delivery Hose	35
PALLAS EF	Corrugated CIIR Food Suction Hose	36
DIONE UPE	Potable Water Hose	37
DIONYSUS EF	Corrugated CIIR Food Suction and Delivery Hose	38
DIONE	Hot Water Cleaning Hose	39
DIONE HT	Steam Cleaning Hose	40

CHEMICAL HOSE

MINOS D	EPDM Chemical Delivery Hose	41
MINOS	EPDM Chemical Suction and Delivery Hose	42
MINOS EF	Corrugated EPDM Chemical Suction and Delivery Hose	43
ORION	UPE Chemical Suction and Delivery Hose	44
ORION EF	Corrugated UPE Chemical Suction and Delivery Hose	45
ORION C	Conductive UPE Chemical Suction Hose	46
TITAN	Conductive UPE Chemical Suction Hose	47
HODUR	Corrugated UPE Conductive Chemical Suction and Delivery Hose	48
TALOS UPE	UPE Full Conductive Chemical Suction and Delivery Hose	49
TALOS UPE EF	Corrugated UPE Full Conductive Chemical Suction and Delivery Hose	50
ARES FEP	FEP Chemical Suction and Delivery Hose	51

MATERIAL HOSE

PERSEUS	Sand Blast Hose	52
HERACLES 40	Plaster Hose	53

PERISTALTIC PUMP HOSE

SISYPHUS EPDM	EPDM Peristaltic Pump Hose	54
SISYPHUS NR	NR Peristaltic Pump Hose	55
SISYPHUS F-NBR	NBR Food Grade Peristaltic Pump Hose	56

SILICONE HOSE

PANACEA	Suction and Delivery Silicone Hose	57
PANACEA PRO	Suction and Delivery Silicone Hose Pro	58
PANACEA TR	Transparent Suction and Delivery Silicone Hose	59
PANACEA FEP	FEP Silicone Suction and Delivery Hose	60
PANACEA FVMQ	FVMQ Silicone Suction and Delivery Hose	61
HERA	Bright Silicone Delivery Hose	62
HERA PRO	Bright Silicone Delivery Hose Pro	63
PANACEA D	Silicone Delivery Hose	64
PANACEA D PRO	Silicone Delivery Hose Pro	65

NIERUS

SBR MULTIPUROPSE AIR & WATER HOSE



APPLICATIONS

Softwall hose for general industries. Designed for delivery of air, water, and glycols-based antifreeze. Not recommended for chemicals or abrasion medium. Synthetic rubber tube.

TECHNICAL DESCRIPTION

Tube: Black, smooth, synthetic rubber

Reinforcement: High strength synthetic cord

Cover: Synthetic rubber, abrasion resistant. 3/16" - 1" is smooth, 1-1/4" - 2" is wrapped finish. Black, red, yellow, blue, and green colors are available

Temperature Range: -20°C (-4°F) to +70°C (+158°F)

No.	Size (inch)	I.D. (mm)	O.D. (mm)	W.P.		B.P.		Weight (kg/m)	Length (m)
				(bar)	(psi)	(bar)	(psi)		
NIERUS 10-0019	3/16"	4.8	12.0	10	150	30	450	0.11	100
NIERUS 10-0025	1/4"	6.4	13.0	10	150	30	450	0.13	100
NIERUS 10-0031	5/16"	7.9	15.0	10	150	30	450	0.18	100
NIERUS 10-0038	3/8"	9.5	17.0	10	150	30	450	0.21	100
NIERUS 10-0050	1/2"	12.7	21.0	10	150	30	450	0.29	100
NIERUS 10-0063	5/8"	15.9	26.0	10	150	30	450	0.36	100
NIERUS 10-0075	3/4"	19.1	29.0	10	150	30	450	0.41	80
NIERUS 10-0100	1"	25.4	36.0	10	150	30	450	0.66	60
NIERUS 10-0125	1-1/4"	31.8	44.0	10	150	30	450	1.07	40
NIERUS 10-0150	1-1/2"	38.1	54.0	10	150	30	450	1.28	40
NIERUS 10-0200	2"	50.8	66.0	10	150	30	450	1.63	40

No.	Size (inch)	I.D. (mm)	O.D. (mm)	W.P.		B.P.		Weight (kg/m)	Length (m)
				(bar)	(psi)	(bar)	(psi)		
NIERUS 20-0019	3/16"	4.8	12.0	20	300	60	900	0.13	100
NIERUS 20-0025	1/4"	6.4	13.0	20	300	60	900	0.15	100
NIERUS 20-0031	5/16"	7.9	15.0	20	300	60	900	0.20	100
NIERUS 20-0038	3/8"	9.5	17.0	20	300	60	900	0.23	100
NIERUS 20-0050	1/2"	12.7	21.0	20	300	60	900	0.34	100
NIERUS 20-0063	5/8"	15.9	26.0	20	300	60	900	0.46	100
NIERUS 20-0075	3/4"	19.1	29.0	20	300	60	900	0.58	80
NIERUS 20-0100	1"	25.4	36.0	20	300	60	900	0.80	60
NIERUS 20-0125	1-1/4"	31.8	44.0	20	300	60	900	1.21	40
NIERUS 20-0150	1-1/2"	38.1	54.0	20	300	60	900	1.40	40
NIERUS 20-0200	2"	50.8	66.0	20	300	60	900	1.75	40

APOLLO

EPDM MULTIPURPOSE AIR & WATER HOSE



APPLICATIONS

Softwall hose for general industries. Designed for delivery of air, water, and glycols-based antifreeze. Not recommended for chemicals or abrasion medium. EPDM rubber tube.

TECHNICAL DESCRIPTION

Tube: Black, smooth, insulating, EPDM synthetic rubber

Reinforcement: High strength synthetic cord

Cover: EPDM synthetic rubber, abrasion resistant. 3/16" - 1" is smooth, 1-1/4" - 2" is wrapped finish. Black, red, yellow, blue, and green colors are available

Temperature Range: -40°C (-40°F) to +100°C (+212°F)

No.	Size (inch)	I.D. (mm)	O.D. (mm)	W.P.		B.P.		Weight (kg/m)	Length (m)
				(bar)	(psi)	(bar)	(psi)		
APOLLO 10-0019	3/16"	4.8	12.0	10	150	30	450	0.10	100
APOLLO 10-0025	1/4"	6.4	13.0	10	150	30	450	0.12	100
APOLLO 10-0031	5/16"	7.9	15.0	10	150	30	450	0.16	100
APOLLO 10-0038	3/8"	9.5	17.0	10	150	30	450	0.20	100
APOLLO 10-0050	1/2"	12.7	21.0	10	150	30	450	0.26	100
APOLLO 10-0063	5/8"	15.9	26.0	10	150	30	450	0.35	100
APOLLO 10-0075	3/4"	19.1	29.0	10	150	30	450	0.36	80
APOLLO 10-0100	1"	25.4	36.0	10	150	30	450	0.59	60
APOLLO 10-0125	1-1/4"	31.8	44.0	10	150	30	450	0.98	40
APOLLO 10-0150	1-1/2"	38.1	54.0	10	150	30	450	1.20	40
APOLLO 10-0200	2"	50.8	66.0	10	150	30	450	1.66	40

No.	Size (inch)	I.D. (mm)	O.D. (mm)	W.P.		B.P.		Weight (kg/m)	Length (m)
				(bar)	(psi)	(bar)	(psi)		
APOLLO 20-0019	3/16"	4.8	12.0	20	300	60	900	0.12	100
APOLLO 20-0025	1/4"	6.4	13.0	20	300	60	900	0.14	100
APOLLO 20-0031	5/16"	7.9	15.0	20	300	60	900	0.18	100
APOLLO 20-0038	3/8"	9.5	17.0	20	300	60	900	0.22	100
APOLLO 20-0050	1/2"	12.7	21.0	20	300	60	900	0.31	100
APOLLO 20-0063	5/8"	15.9	26.0	20	300	60	900	0.45	100
APOLLO 20-0075	3/4"	19.1	29.0	20	300	60	900	0.53	80
APOLLO 20-0100	1"	25.4	36.0	20	300	60	900	0.73	60
APOLLO 20-0125	1-1/4"	31.8	44.0	20	300	60	900	1.12	40
APOLLO 20-0150	1-1/2"	38.1	54.0	20	300	60	900	1.32	40
APOLLO 20-0200	2"	50.8	66.0	20	300	60	900	1.78	40

GAIA

NBR MULTIPUROPSE AIR & WATER HOSE



APPLICATIONS

Softwall air hose for conveying a wide range of mediums including air, water, oil, and other petroleum products. NBR tube. Suitable for steel mills, shipyards, foundries, auto plants, and construction. Different colors make it easy to identify and avoid cross-contamination of the medium.

TECHNICAL DESCRIPTION

Tube: Black, smooth, NBR rubber

Reinforcement: High strength synthetic cord

Cover: Smooth, NBR rubber, UV and oil mist resistant. 3/16" - 1" is smooth, 1-1/4" - 2" is wrapped finish. Black, red, yellow, blue, and green colors are available.

Temperature Range: -30°C (-22°F) to +80°C (+176°F)

No.	Size (inch)	I.D. (mm)	O.D. (mm)	W.P.		B.P.		Weight (kg/m)	Length (m)
				(bar)	(psi)	(bar)	(psi)		
GAIA 10-0019	3/16"	4.8	12.0	10	150	30	450	0.13	100
GAIA 10-0025	1/4"	6.4	13.0	10	150	30	450	0.15	100
GAIA 10-0031	5/16"	7.9	15.0	10	150	30	450	0.21	100
GAIA 10-0038	3/8"	9.5	17.0	10	150	30	450	0.23	100
GAIA 10-0050	1/2"	12.7	21.0	10	150	30	450	0.32	100
GAIA 10-0063	5/8"	15.9	26.0	10	150	30	450	0.38	100
GAIA 10-0075	3/4"	19.1	29.0	10	150	30	450	0.45	80
GAIA 10-0100	1"	25.4	36.0	10	150	30	450	0.71	60
GAIA 10-0125	1-1/4"	31.8	44.0	10	150	30	450	1.11	40
GAIA 10-0150	1-1/2"	38.1	54.0	10	150	30	450	1.53	40
GAIA 10-0200	2"	50.8	66.0	10	150	30	450	1.84	40

No.	Size (inch)	I.D. (mm)	O.D. (mm)	W.P.		B.P.		Weight (kg/m)	Length (m)
				(bar)	(psi)	(bar)	(psi)		
GAIA 20-0019	3/16"	4.8	12.0	20	300	60	900	0.15	100
GAIA 20-0025	1/4"	6.4	13.0	20	300	60	900	0.17	100
GAIA 20-0031	5/16"	7.9	15.0	20	300	60	900	0.23	100
GAIA 20-0038	3/8"	9.5	17.0	20	300	60	900	0.25	100
GAIA 20-0050	1/2"	12.7	21.0	20	300	60	900	0.37	100
GAIA 20-0063	5/8"	15.9	26.0	20	300	60	900	0.48	100
GAIA 20-0075	3/4"	19.1	29.0	20	300	60	900	0.62	80
GAIA 20-0100	1"	25.4	36.0	20	300	60	900	0.85	60
GAIA 20-0125	1-1/4"	31.8	44.0	20	300	60	900	1.25	40
GAIA 20-0150	1-1/2"	38.1	54.0	20	300	60	900	1.65	40
GAIA 20-0200	2"	50.8	66.0	20	300	60	900	1.96	40

Dimensional tolerance is compliant with ISO 1307.

GAIA HP

COMPRESSED AIR HOSE



APPLICATIONS

Softwall heavy-duty hose for conveying compressed air with oil mist. Suitable for harsh conditions of construction and mining industries.

TECHNICAL DESCRIPTION

Tube: Black, smooth NBR rubber, oil, seawater, heat, light acid and alkali resistant

Reinforcement: High strength steel helix wire

Cover: Yellow, smooth, Nitrile rubber, wrapped finish, wear, ozone, aging, oil and heat resistant

Temperature Range: -30°C (-22°F) to +100°C (+212°F)

No.	Size (inch)	I.D. (mm)	O.D. (mm)	W.P.		B.P.		MBR (mm)	Weight (kg/m)	Length (m)
				(bar)	(psi)	(bar)	(psi)			
GAIA HP-0075	3/4"	19.1	29.0	40	600	160	2400	110	0.55	40
GAIA HP-0100	1"	25.4	35.0	40	600	160	2400	135	0.69	40
GAIA HP-0125	1-1/4"	31.8	43.0	40	600	160	2400	170	0.95	40
GAIA HP-0150	1-1/2"	38.1	50.0	40	600	160	2400	190	1.58	40
GAIA HP-0200	2"	50.8	64.0	40	600	160	2400	255	2.24	40
GAIA HP-0300	3"	76.2	93.0	40	600	160	2400	380	4.13	40
GAIA HP-0400	4"	101.6	121.0	40	600	160	2400	510	5.64	40

Dimensional tolerance is compliant with ISO 1307.

MERCURY PUSH LOCK HOSE



APPLICATIONS

Compressed air hose for low-pressure hydraulic and pneumatic systems, automation, maintenance, air and water, and general industries. Adaptable with push lock fittings for 300psi application.

TECHNICAL DESCRIPTION

Tube: Black, smooth, NBR rubber

Reinforcement: High strength synthetic cord

Cover: Smooth, synthetic rubber, oil, ozone, aging resistant. Black, red, yellow, blue, and green colors are available

Temperature Range: -40°C (-40°F) to +100°C (+212°F)

No.	Size (inch)	I.D. (mm)	O.D. (mm)	W.P.		B.P.		MBR (mm)	Weight (kg/m)	Length (m)
				(bar)	(psi)	(bar)	(psi)			
MERCURY-0025	1/4"	6.4	12.7	20	300	80	1200	65	0.13	100
MERCURY-0038	3/8"	9.5	15.9	20	300	80	1200	75	0.16	100
MERCURY-0050	1/2"	12.7	19.8	20	300	80	1200	130	0.27	100
MERCURY-0063	5/8"	15.9	23.0	20	300	80	1200	150	0.28	100
MERCURY-0075	3/4"	19.1	26.2	20	300	80	1200	180	0.36	80
MERCURY-0100	1"	25.4	32.5	20	300	80	1200	250	0.55	60

Dimensional tolerance is compliant with ISO 1307.

VOLGA D

WATER DELIVERY HOSE



APPLICATIONS

Softwall hose for conveying domestic water, industrial water, sewage, slurry, liquid fertilizer, etc. Suitable for construction, machinery, and general industries.

TECHNICAL DESCRIPTION

Tube: Black, smooth, synthetic rubber

Reinforcement: High strength synthetic cord

Cover: Black, SBR rubber, wrapped finish, wear, weathering and ozone resistant

Temperature Range: - 30°C (- 22°F) to + 70°C (+ 158°F)

No.	Size (inch)	I.D. (mm)	O.D. (mm)	W.P.		B.P.		MBR (mm)	Weight (kg/m)	Length (m)
				(bar)	(psi)	(bar)	(psi)			
VOLGA D 10-0075	3/4"	19.1	31.0	10	150	30	450	114.6	0.48	40
VOLGA D 10-0100	1"	25.4	37.0	10	150	30	450	152.4	0.70	40
VOLGA D 10-0125	1-1/4"	31.8	44.0	10	150	30	450	190.8	0.86	40
VOLGA D 10-0150	1-1/2"	38.1	50.0	10	150	30	450	228.6	1.06	40
VOLGA D 10-0158	1-37/64"	40.0	52.0	10	150	30	450	240.6	1.26	40
VOLGA D 10-0200	2"	50.8	64.0	10	150	30	450	304.8	1.34	40
VOLGA D 10-0250	2-1/2"	63.5	78.0	10	150	30	450	381	1.46	40
VOLGA D 10-0300	3"	76.2	91.0	10	150	30	450	457.2	2.13	40
VOLGA D 10-0316	3-5/32"	80.0	95.0	10	150	30	450	481.2	2.35	40
VOLGA D 10-0355	3-35/64"	90.0	105.0	10	150	30	450	540	2.75	40
VOLGA D 10-0400	4"	101.6	118.0	10	150	30	450	609.6	3.14	40

No.	Size (inch)	I.D. (mm)	O.D. (mm)	W.P.		B.P.		MBR (mm)	Weight (kg/m)	Length (m)
				(bar)	(psi)	(bar)	(psi)			
VOLGA D 20-0075	3/4"	19.1	31.0	20	300	60	900	114.6	0.65	40
VOLGA D 20-0100	1"	25.4	37.0	20	300	60	900	152.4	0.84	40
VOLGA D 20-0125	1-1/4"	31.8	44.0	20	300	60	900	190.8	1.02	40
VOLGA D 20-0150	1-1/2"	38.1	50.0	20	300	60	900	228.6	1.18	40
VOLGA D 20-0158	1-37/64"	40.0	52.0	20	300	60	900	240.6	1.38	40
VOLGA D 20-0200	2"	50.8	64.0	20	300	60	900	304.8	1.74	40
VOLGA D 20-0250	2-1/2"	63.5	78.0	20	300	60	900	381	2.02	40
VOLGA D 20-0300	3"	76.2	91.0	20	300	60	900	457.2	2.66	40
VOLGA D 20-0316	3-5/32"	80.0	95.0	20	300	60	900	481.2	2.85	40
VOLGA D 20-0355	3-35/64"	90.0	105.0	20	300	60	900	540	3.12	40
VOLGA D 20-0400	4"	101.6	118.0	20	300	60	900	609.6	3.59	40

Dimensional tolerance is compliant with ISO 1307.

VOLGA

WATER SUCTION AND DELIVERY HOSE



APPLICATIONS

Hardwall hose for suction and discharge of domestic water, industrial water, sewage, slurry, liquid fertilizer, etc. Suitable for construction, machinery, and general industries.

TECHNICAL DESCRIPTION

Tube: Black, smooth, synthetic rubber

Reinforcement: High strength synthetic cord and steel helix wire

Cover: Black, SBR rubber, wrapped finish, wear, weathering and ozone resistant

Temperature Range: -30°C (-22°F) to +70°C (+158°F)

No.	Size (inch)	I.D. (mm)	O.D. (mm)	W.P.		B.P.		Vacuum	MBR	Weight	Length
				(bar)	(psi)	(bar)	(psi)	(bar)	(mm)	(kg/m)	(m)
VOLGA 10-0075	3/4"	19.1	31.0	10	150	30	450	0.9	76.4	0.53	40
VOLGA 10-0100	1"	25.4	37.0	10	150	30	450	0.9	101.6	0.76	40
VOLGA 10-0125	1-1/4"	31.8	44.0	10	150	30	450	0.9	127.2	0.96	40
VOLGA 10-0150	1-1/2"	38.1	50.0	10	150	30	450	0.9	152.4	1.18	40
VOLGA 10-0158	1-37/64"	40.0	52.0	10	150	30	450	0.9	160	1.38	40
VOLGA 10-0200	2"	50.8	64.0	10	150	30	450	0.9	203.2	1.5	40
VOLGA 10-0250	2-1/2"	63.5	78.0	10	150	30	450	0.9	254	1.84	40
VOLGA 10-0300	3"	76.2	91.0	10	150	30	450	0.9	304.8	2.57	40
VOLGA 10-0316	3-5/32"	80.0	95.0	10	150	30	450	0.9	320	2.8	40
VOLGA 10-0400	4"	101.6	118.0	10	150	30	450	0.9	406.4	3.85	40

No.	Size (inch)	I.D. (mm)	O.D. (mm)	W.P.		B.P.		Vacuum	MBR	Weight	Length
				(bar)	(psi)	(bar)	(psi)	(bar)	(mm)	(kg/m)	(m)
VOLGA 20-0075	3/4"	19.1	31.0	20	300	60	900	0.9	76.4	0.7	40
VOLGA 20-0100	1"	25.4	37.0	20	300	60	900	0.9	101.6	0.9	40
VOLGA 20-0125	1-1/4"	31.8	44.0	20	300	60	900	0.9	127.2	1.1	40
VOLGA 20-0150	1-1/2"	38.1	50.0	20	300	60	900	0.9	152.4	1.3	40
VOLGA 20-0158	1-37/64"	40.0	52.0	20	300	60	900	0.9	160	1.5	40
VOLGA 20-0200	2"	50.8	64.0	20	300	60	900	0.9	203.2	1.9	40
VOLGA 20-0250	2-1/2"	63.5	78.0	20	300	60	900	0.9	254	2.4	40
VOLGA 20-0300	3"	76.2	91.0	20	300	60	900	0.9	304.8	3.1	40
VOLGA 20-0316	3-5/32"	80.0	95.0	20	300	60	900	0.9	320	3.3	40
VOLGA 20-0400	4"	101.6	118.0	20	300	60	900	0.9	406.4	4.3	40

CONGO D

ABRASIVE RESISTANT WATER DELIVERY HOSE



APPLICATIONS

Softwall hose for delivery of industrial water, slurry, liquid fertilizer, etc. The inner tube is abrasive resistant and antistatic (R<1MΩ/m). Suitable for construction, agriculture, and general industries.

TECHNICAL DESCRIPTION

Tube: Black, smooth, EPDM synthetic rubber, wear-resistant, antistatic (R<1MΩ/m)

Reinforcement: High strength synthetic cord

Cover: Black, EPDM synthetic rubber, wrapped finish, wear, weathering and ozone resistant

Temperature Range: -40°C (-40°F) to +120°C (+248°F)

No.	Size (inch)	I.D. (mm)	O.D. (mm)	W.P.		B.P.		MBR (mm)	Weight (kg/m)	Length (m)
				(bar)	(psi)	(bar)	(psi)			
CONGO D-0075	3/4"	19.1	31.0	16	240	48	960	114.6	0.43	40
CONGO D-0100	1"	25.4	37.0	16	240	48	960	152.4	0.61	40
CONGO D-0125	1-1/4"	31.8	44.0	16	240	48	960	190.8	0.74	40
CONGO D-0150	1-1/2"	38.1	50.0	16	240	48	960	228.6	0.94	40
CONGO D-0158	1-37/64"	40.0	52.0	16	240	48	960	240.6	1.02	40
CONGO D-0200	2"	50.8	64.0	16	240	48	960	304.8	1.33	40
CONGO D-0250	2-1/2"	63.5	78.0	16	240	48	960	381	1.85	40
CONGO D-0300	3"	76.2	91.0	16	240	48	960	457.2	2.27	40
CONGO D-0316	3-5/32"	80.0	95.0	16	240	48	960	481.2	2.52	40
CONGO D-0355	3-35/64"	90.0	105.0	16	240	48	960	540	2.81	40
CONGO D-0400	4"	101.6	118.0	16	240	48	960	609.6	3.16	40

Dimensional tolerance is compliant with ISO 1307.

CONGO

ABRASIVE RESISTANT WATER SUCTION AND DELIVERY HOSE



APPLICATIONS

Hardwall hose for suction and discharge of industrial water, slurry, liquid fertilizer, etc. The inner tube is abrasive resistant and antistatic ($R < 1M\Omega/m$). Suitable for construction, agriculture, and general industries.

TECHNICAL DESCRIPTION

Tube: Black, smooth, EPDM synthetic rubber, wear resistant, antistatic ($R < 1M\Omega/m$)

Reinforcement: High strength synthetic cord with steel helix wire

Cover: Black, EPDM synthetic rubber, warped finish, wear, weathering and ozone resistant

Temperature Range: $-40^{\circ}C (-40^{\circ}F)$ to $+120^{\circ}C (+248^{\circ}F)$

No.	Size (inch)	I.D. (mm)	O.D. (mm)	W.P.		B.P.		Vacuum (bar)	MBR (mm)	Weight (kg/m)	Length (m)
				(bar)	(psi)	(bar)	(psi)				
CONGO-0075	3/4"	19.1	29.0	16	240	48	720	0.9	76.4	0.48	40
CONGO-0100	1"	25.4	35.0	16	240	48	720	0.9	101.6	0.67	40
CONGO-0125	1-1/4"	31.8	42.0	16	240	48	720	0.9	127.2	0.84	40
CONGO-0150	1-1/2"	38.1	49.0	16	240	48	720	0.9	152.4	1.06	40
CONGO-0158	1-37/64"	40.0	52.0	16	240	48	720	0.9	160	1.14	40
CONGO-0200	2"	50.8	62.0	16	240	48	720	0.9	203.2	1.49	40
CONGO-0250	2-1/2"	63.5	77.0	16	240	48	720	0.9	254	2.23	40
CONGO-0300	3"	76.2	90.0	16	240	48	720	0.9	304.8	2.71	40
CONGO-0316	3-5/32"	80.0	85.0	16	240	48	720	0.9	320	2.95	40
CONGO-0350	3-1/2"	90.0	95.0	16	240	48	720	0.9	360	3.34	40
CONGO-0400	4"	101.6	117.0	16	240	48	720	0.9	406.4	3.79	40

Dimensional tolerance is compliant with ISO 1307.

CONGO SUPFLEX

SUPFLEX ABRASIVE RESISTANT WATER SUCTION AND DELIVERY HOSE



APPLICATIONS

Hardwall corrugated hose for suction and discharge of industrial water, mud, slurry, liquid fertilizer, etc. Extremely flexible and suitable for small bend radio space. The inner tube is abrasive resistant and antistatic ($R < 1M\Omega/m$). Suitable for construction, agriculture, and general industries.

ADVANTAGES

Suitable for application in small spaces and corners of tank trucks and factories.

TECHNICAL DESCRIPTION

Tube: Black, smooth, EPDM synthetic rubber, wear-resistant, antistatic ($R < 1M\Omega/m$)

Reinforcement: High strength synthetic cord with steel helix wire

Cover: Black, corrugated, EPDM synthetic rubber, wear, weathering and ozone resistant

Temperature Range: -40°C (-40°F) to $+120^{\circ}\text{C}$ ($+248^{\circ}\text{F}$)

No.	Size (inch)	I.D. (mm)	O.D. (mm)	W.P. (bar) (psi)		B.P. (bar) (psi)		Vacuum (bar)	MBR (mm)	Weight (kg/m)	Length (m)
CONGO SUPFLEX-0075	3/4"	19.1	31.0	16	240	48	720	0.9	19	0.65	40
CONGO SUPFLEX-0100	1"	25.4	37.0	16	240	48	720	0.9	25	0.81	40
CONGO SUPFLEX-0125	1-1/4"	31.8	44.0	16	240	48	720	0.9	32	0.94	40
CONGO SUPFLEX-0150	1-1/2"	38.1	50.0	16	240	48	720	0.9	38	1.08	40
CONGO SUPFLEX-0158	1-37/64"	40.1	53.0	16	240	48	720	0.9	40	1.14	40
CONGO SUPFLEX-0200	2"	50.8	64.0	16	240	48	720	0.9	51	1.43	40
CONGO SUPFLEX-0250	2-1/2"	63.5	78.0	16	240	48	720	0.9	64	2.10	40
CONGO SUPFLEX-0300	3"	76.2	91.0	16	240	48	720	0.9	76	2.51	40
CONGO SUPFLEX-0316	3-5/32"	80.2	95.0	16	240	48	720	0.9	80	2.73	40
CONGO SUPFLEX-0355	3-35/64"	90.0	105.0	16	240	48	720	0.9	90	3.21	40
CONGO SUPFLEX-0400	4"	101.6	118.0	16	240	48	720	0.9	102	3.61	40

Dimensional tolerance is compliant with ISO 1307.

NILE CF

CARBON FREE HOSE



APPLICATIONS

Softwall hose for conveying coolants at max. 6000V and 20μAh. Especially designed for electric furnaces and non-conductive applications. The inner tube is carbon-free.

ADVANTAGES

The inner tube is carbon-free. Suitable for induction furnaces and insulation applications.

TECHNICAL DESCRIPTION

Tube: Light colored, non-conductive EPDM rubber, heat resistance

Reinforcement: High strength synthetic cord

Cover: Green or yellow non-conductive EPDM synthetic rubber, aging resistant.

Temperature Range: -40°C (-40°F) to +100°C (+212°F)

No.	Size (inch)	I.D. (mm)	O.D. (mm)	W.P.		B.P.		MBR (mm)	Weight (kg/m)	Length (m)
				(bar)	(psi)	(bar)	(psi)			
NILE CF-0050	1/2"	12.7	24.5	17	250	51	750	76.2	0.34	40
NILE CF-0075	3/4"	19.1	31.0	17	250	51	750	114.6	0.45	40
NILE CF-0100	1"	25.4	37.0	17	250	51	750	152.4	0.75	40
NILE CF-0125	1-1/4"	31.8	44.0	17	250	51	750	190.8	1.10	40
NILE CF-0150	1-1/2"	38.1	50.0	17	250	51	750	228.6	1.38	40
NILE CF-0158	1-37/64"	40.1	52.0	17	250	51	750	240.6	1.52	40
NILE CF-0200	2"	50.8	64.0	13.8	200	41	600	304.8	1.90	40
NILE CF-0250	2-1/2"	63.5	78.0	13.8	200	41	600	381.0	2.50	40
NILE CF-0300	3"	76.2	91.0	13.8	200	41	600	457.2	3.20	40
NILE CF-0316	3-5/32"	80.2	95.0	13.8	200	41	600	481.2	3.53	40
NILE CF-0355	3-35/64"	90.0	105.0	13.8	200	41	600	540.0	3.96	40
NILE CF-0400	4"	101.6	118.0	13.8	200	41	600	609.6	4.60	40

Dimensional tolerance is compliant with ISO 1307.

KWA

MOLD WATER DELIVERY HOSE



APPLICATIONS

Extruded hose for conveying coolants in plastic injection molds and thermal hot water in general industries. The cover is pin pricked.

ADVANTAGES

The cover is pin-pricked.

It withstands steam at temperatures up to 150°C (302°F).

TECHNICAL DESCRIPTION

Tube: Black, EPDM rubber. Heat and aging resistant

Reinforcement: High strength synthetic fabrics

Cover: Smooth EPDM rubber with pin pricked

Red, black, blue colors are available

Temperature Range: -40°C (-40°F) to +150°C (+ 302°F)

No.	Size (inch)	I.D. (mm)	O.D. (mm)	W.P.		B.P.		Length (m)
				(bar)	(psi)	(bar)	(psi)	
KWA-0031	5/16"	7.9	16.0	15	220	45	660	100
KWA-0038	3/8"	9.5	18.0	15	220	45	660	100
KWA-0050	1/2"	12.7	23.0	15	220	45	660	100
KWA-0075	3/4"	19.1	31.0	15	220	45	660	80
KWA-0100	1"	25.4	35.0	15	220	45	660	60

Dimensional tolerance is compliant with ISO 1307.

PEARL EPDM DATA CENTER COOLING HOSE



STANDARDS



APPLICATIONS

Specially designed cooling hose for data center and semiconductor industry. Suitable for delivery coolants including deionized water, ethylene glycol, and water/propylene glycol mixtures. Peroxide-cured EPDM rubber, no sulfur element precipitation, and will not corrode the metal of the equipment.

ADVANTAGES

- The inner rubber is peroxide-cured EPDM rubber, and the cover is flame resistant
- Special rubber compound formula, low precipitation, no pollution to coolant
- Inner rubber is insulating, resistance value per meter under 1000V DC voltage >10⁹Ω
- Small bending radius and suitable for installation in narrow spaces

TECHNICAL DESCRIPTION

Tube: Black, smooth, insulating peroxide-cured EPDM synthetic rubber

Reinforcement: High strength synthetic fabrics

Cover: EPDM synthetic rubber, flame resistant. 1/4"-1" is smooth, 1-1/4" -2" is wrapped finish. Black, red, and blue colors are available

Temperature Range: -40°C (-40°F) to +120°C (+248°F)

No.	Size (inch)	I.D. (mm)	O.D. (mm)	W.P.		B.P.		MBR (mm)	Weight (kg/m)	Length (m)
				(bar)	(psi)	(bar)	(psi)			
PEARL EPDM-0025	1/4"	6.4	13.0	20	300	60	900	50	0.14	100
PEARL EPDM-0038	3/8"	9.5	17.0	20	300	60	900	65	0.22	100
PEARL EPDM-0050	1/2"	12.7	21.0	20	300	60	900	75	0.31	100
PEARL EPDM-0063	5/8"	15.9	26.0	20	300	60	900	100	0.31	100
PEARL EPDM-0075	3/4"	19.1	29.0	20	300	60	900	125	0.53	80
PEARL EPDM-0100	1"	25.4	36.0	20	300	60	900	150	0.73	60
PEARL EPDM-0125	1-1/4"	31.8	44.0	20	300	60	900	200	1.12	40
PEARL EPDM-0150	1-1/2"	38.1	54.0	20	300	60	900	250	1.32	40
PEARL EPDM-0200	2"	50.8	66.0	20	300	60	900	350	1.76	40

Dimensional tolerance is compliant with ISO 1307.

BAKU

OIL DELIVERY HOSE



APPLICATIONS

Extruded hose for handling petroleum products with aromatic content less than 50%, chemicals, and anti-freeze agents, oil-charged compressed air, and saltwater. The special compound rubber makes the hose suitable for low-pressure hydraulic drives and oil return applications. The tube and cover are conductive and the electrical property is $R < 10^6 \Omega/m$.

ADVANTAGES

Static conductivity assured by the tube and the cover

TECHNICAL DESCRIPTION

Tube: Black, smooth, conductive NBR rubber, oil resistant

Reinforcement: High strength synthetic cord

Cover: Black, smooth, conductive, oil and weathering resistant

Temperature Range: -30°C (-30°F) to +100°C (+212°F)

Electrical Properties: $R < 10^6 \Omega/m$

No.	Size (inch)	I.D. (mm)	O.D. (mm)	W.P.		B.P.		MBR (mm)	Weight (kg/m)	Length (m)
				(bar)	(psi)	(bar)	(psi)			
BAKU-0025	1/4"	6.4	13.0	20	300	60	900	30	0.14	100
BAKU-0031	5/16"	7.9	15.0	20	300	60	900	35	0.17	100
BAKU-0038	3/8"	9.5	17.0	20	300	60	900	38	0.19	100
BAKU-0050	1/2"	12.7	22.0	20	300	60	900	45	0.28	100
BAKU-0063	5/8"	15.9	26.0	20	300	60	900	55	0.35	100
BAKU-0075	3/4"	19.1	30.0	20	300	60	900	58	0.43	80
BAKU-0100	1"	25.4	37.0	20	300	60	900	60	0.62	60

Dimensional tolerance is compliant with ISO 1307.

DHAHRAN

HYDRAULIC OIL SUCTION AND DELIVERY HOSE



APPLICATIONS

Hydraulic oil and fuel hose for suction and discharge of water-based and petroleum-based hydraulic oil, mineral oil, air, water/ethylene glycol.

TECHNICAL DESCRIPTION

Tube: Black, smooth, synthetic rubber, oil resistant

Reinforcement: High strength synthetic cord and steel helix wire

Cover: Black, smooth, synthetic rubber, wrapped finish, weathering and ozone resistant

Temperature Range: -40°C (-40°F) to +100°C (+212°F)

STANDARDS



No.	Size (inch)	I.D. (mm)	O.D. (mm)	W.P.		B.P.		Vacuum (bar)	MBR (mm)	Weight (kg/m)	Length (m)
				(bar)	(psi)	(bar)	(psi)				
DHAHRAN-0075	3/4"	19.1	30.0	20	300	80	1200	0.9	80	0.65	40
DHAHRAN-0100	1"	25.4	37.0	17	250	68	1000	0.9	100	0.98	40
DHAHRAN-0125	1-1/4"	31.8	45.0	13.8	200	56	800	0.9	130	1.25	40
DHAHRAN-0150	1-1/2"	38.1	52.0	10	150	40	600	0.9	150	1.65	40
DHAHRAN-0200	2"	50.8	64.0	10	150	40	600	0.9	205	1.85	40
DHAHRAN-0250	2-1/2"	63.5	75.0	10	150	40	600	0.9	250	2.65	40
DHAHRAN-0300	3"	76.2	90.0	10	150	40	600	0.9	310	3.25	40
DHAHRAN-0400	4"	101.6	117.0	10	150	40	600	0.9	410	4.51	40

Dimensional tolerance is compliant with ISO 1307.

PLUTO D

PETROLEUM DELIVERY HOSE



APPLICATIONS

Softwall hose for handling petroleum products with aromatic content up to 60%, including fuel oil, gasoline, diesel, mineral oils, seawater, fresh water, mud, air, etc.

ADVANTAGES

Can be used to transport petroleum products with an aromatic content of up to 60%.

TECHNICAL DESCRIPTION

Tube: Black, synthetic rubber, oil and heat resistant

Reinforcement: High strength synthetic cord. Antistatic copper wire by request

Cover: Black, synthetic rubber. Wrapped finish, oil, aging, and heat resistant

Temperature Range: -20°C (-4°F) to +80°C (+176°F)

No.	Size (inch)	I.D. (mm)	O.D. (mm)	W.P.		B.P.		Weight (kg/m)	Length (m)
				(bar)	(psi)	(bar)	(psi)		
PLUTO D 10-0075	3/4"	19.1	31.0	10	150	30	450	0.58	40
PLUTO D 10-0100	1"	25.4	37.0	10	150	30	450	0.80	40
PLUTO D 10-0125	1-1/4"	31.8	44.0	10	150	30	450	0.96	40
PLUTO D 10-0150	1-1/2"	38.1	50.0	10	150	30	450	1.16	40
PLUTO D 10-0158	1-37/64"	40.0	52.0	10	150	30	450	1.36	40
PLUTO D 10-0200	2"	50.8	64.0	10	150	30	450	1.60	40
PLUTO D 10-0250	2-1/2"	63.5	78.0	10	150	30	450	1.62	40
PLUTO D 10-0300	3"	76.2	91.0	10	150	30	450	2.26	40
PLUTO D 10-0316	3-5/32"	80.0	95.0	10	150	30	450	2.45	40
PLUTO D 10-0355	3-35/64"	90.0	105.0	10	150	30	450	2.83	40
PLUTO D 10-0400	4"	101.6	118.0	10	150	30	450	3.34	40

No.	Size (inch)	I.D. (mm)	O.D. (mm)	W.P.		B.P.		Weight (kg/m)	Length (m)
				(bar)	(psi)	(bar)	(psi)		
PLUTO D 20-0075	3/4"	19.1	31.0	20	300	60	900	0.75	40
PLUTO D 20-0100	1"	25.4	37.0	20	300	60	900	0.94	40
PLUTO D 20-0125	1-1/4"	31.8	44.0	20	300	60	900	1.10	40
PLUTO D 20-0150	1-1/2"	38.1	50.0	20	300	60	900	1.28	40
PLUTO D 20-0158	1-37/64"	40.0	52.0	20	300	60	900	1.48	40
PLUTO D 20-0200	2"	50.8	64.0	20	300	60	900	1.74	40
PLUTO D 20-0250	2-1/2"	63.5	78.0	20	300	60	900	2.02	40
PLUTO D 20-0300	3"	76.2	91.0	20	300	60	900	2.66	40
PLUTO D 20-0316	3-5/32"	80.0	95.0	20	300	60	900	2.85	40
PLUTO D 20-0355	3-35/64"	90.0	105.0	20	300	60	900	3.32	40
PLUTO D 20-0400	4"	101.6	118.0	20	300	60	900	3.79	40

Dimensional tolerance is compliant with ISO 1307.

PLUTO

PETROLEUM SUCTION AND DELIVERY HOSE



APPLICATIONS

Hardwall hose for suction and delivery petroleum products with aromatic content up to 60%, including fuel oil, gasoline, diesel, mineral oils, seawater, fresh water, mud, air, etc.

ADVANTAGES

Suitable for transporting petroleum products with ≤60% aromatic content.

TECHNICAL DESCRIPTION

Tube: Black, synthetic rubber, oil and heat resistant

Reinforcement: High strength synthetic cord and steel helix wire.
Antistatic copper wire by request

Cover: Black, synthetic rubber. Wrapped finish, oil, aging, and heat resistant

Temperature Range: -20°C (-4°F) to +80°C (+176°F)

No.	Size (inch)	I.D. (mm)	O.D. (mm)	W.P.		B.P.		Vacuum (bar)	MBR (mm)	Weight (kg/m)	Length (m)
				(bar)	(psi)	(bar)	(psi)				
PLUTO 10-0075	3/4"	19.1	31.0	10	150	30	450	0.9	90	0.63	40
PLUTO 10-0100	1"	25.4	37.0	10	150	30	450	0.9	100	0.86	40
PLUTO 10-0125	1-1/4"	31.8	44.0	10	150	30	450	0.9	130	1.06	40
PLUTO 10-0150	1-1/2"	38.1	50.0	10	150	30	450	0.9	150	1.28	40
PLUTO 10-0158	1-37/64"	40.0	52.0	10	150	30	450	0.9	160	1.48	40
PLUTO 10-0200	2"	50.8	64.0	10	150	30	450	0.9	230	1.76	40
PLUTO 10-0250	2-1/2"	63.5	78.0	10	150	30	450	0.9	290	2.10	40
PLUTU10-0300	3"	76.2	91.0	10	150	30	450	0.9	360	2.70	40
PLUTO 10-0316	3-5/32"	80.0	95.0	10	150	30	450	0.9	400	2.90	40
PLUTO 10-0355	3-35/64"	90.0	105.0	10	150	30	450	0.9	450	3.56	40
PLUTO 10-0400	4"	101.6	118.0	10	150	30	450	0.9	550	4.05	40

No.	Size (inch)	I.D. (mm)	O.D. (mm)	W.P.		B.P.		Vacuum (bar)	MBR (mm)	Weight (kg/m)	Length (m)
				(bar)	(psi)	(bar)	(psi)				
PLUTO 20-0075	3/4"	19.1	31.0	20	300	60	900	0.9	90	0.8	40
PLUTO 20-0100	1"	25.4	37.0	20	300	60	900	0.9	100	1.0	40
PLUTO 20-0125	1-1/4"	31.8	44.0	20	300	60	900	0.9	130	1.2	40
PLUTO 20-0150	1-1/2"	38.1	50.0	20	300	60	900	0.9	150	1.4	40
PLUTO 20-0158	1-37/64"	40.0	52.0	20	300	60	900	0.9	160	1.6	40
PLUTO 20-0200	2"	50.8	64.0	20	300	60	900	0.9	230	1.9	40
PLUTO 20-0250	2-1/2"	63.5	78.0	20	300	60	900	0.9	290	2.4	40
PLUTO 20-0300	3"	76.2	91.0	20	300	60	900	0.9	360	3.1	40
PLUTO 20-0316	3-5/32"	80.0	95.0	20	300	60	900	0.9	400	3.3	40
PLUTO 20-0355	3-35/64"	90.0	105.0	20	300	60	900	0.9	450	3.9	40
PLUTO 20-0400	4"	101.6	118.0	20	300	60	900	0.9	550	4.5	40

PLUTO LT

LOW TEMPERATURE PETROLEUM SUCTION AND DELIVERY HOSE



APPLICATIONS

Flexible corrugated hose for suction and delivery of petroleum products with aromatic content less than 60%, including diesel, ethanol, gasoline, etc. Excellent low temperature resistance up to -54°C. The inner tube is antistatic, and the cover is corrugated which efficiently reduces the friction coefficient and improves wear resistance.

ADVANTAGES

Suitable for extremely low temperatures, down to -54°C (-65°F)

TECHNICAL DESCRIPTION

Tube: Black, NBR synthetic rubber, highly oil-resistant, antistatic (R<1MΩ/m)

Reinforcement: High strength synthetic cord with steel helix wire

Cover: Black, corrugated, NBR synthetic rubber

Temperature Range: -54°C (-65°F) to +90°C (+194°F)

No.	Size (inch)	I.D. (mm)	O.D. (mm)	W.P.		B.P.		Vacuum (bar)	MBR (mm)	Weight (kg/m)	Length (m)
				(bar)	(psi)	(bar)	(psi)				
PLUTO LT 10-0075	3/4"	19.1	31.0	10	150	30	450	0.9	90	0.63	40
PLUTO LT 10-0100	1"	25.4	37.0	10	150	30	450	0.9	100	0.86	40
PLUTO LT 10-0125	1-1/4"	31.8	44.0	10	150	30	450	0.9	130	1.06	40
PLUTO LT 10-0150	1-1/2"	38.1	50.0	10	150	30	450	0.9	150	1.28	40
PLUTO LT 10-0158	1-37/64"	40.0	52.0	10	150	30	450	0.9	160	1.48	40
PLUTO LT 10-0200	2"	50.8	64.0	10	150	30	450	0.9	230	1.76	40
PLUTO LT 10-0250	2-1/2"	63.5	78.0	10	150	30	450	0.9	290	2.10	40
PLUTU LT 10-0300	3"	76.2	91.0	10	150	30	450	0.9	360	2.70	40
PLUTO LT 10-0316	3-5/32"	80.0	95.0	10	150	30	450	0.9	400	2.90	40
PLUTO LT 10-0355	3-35/64"	90.0	105.0	10	150	30	450	0.9	450	3.56	40
PLUTO LT 10-0400	4"	101.6	118.0	10	150	30	450	0.9	550	4.05	40

No.	Size (inch)	I.D. (mm)	O.D. (mm)	W.P.		B.P.		Vacuum (bar)	MBR (mm)	Weight (kg/m)	Length (m)
				(bar)	(psi)	(bar)	(psi)				
PLUTO LT 20-0075	3/4"	19.1	31.0	20	300	60	900	0.9	90	0.8	40
PLUTO LT 20-0100	1"	25.4	37.0	20	300	60	900	0.9	100	1.0	40
PLUTO LT 20-0125	1-1/4"	31.8	44.0	20	300	60	900	0.9	130	1.2	40
PLUTO LT 20-0150	1-1/2"	38.1	50.0	20	300	60	900	0.9	150	1.4	40
PLUTO LT 20-0158	1-37/64"	40.0	52.0	20	300	60	900	0.9	160	1.6	40
PLUTO LT 20-0200	2"	50.8	64.0	20	300	60	900	0.9	230	1.9	40
PLUTO LT 20-0250	2-1/2"	63.5	78.0	20	300	60	900	0.9	290	2.4	40
PLUTO LT 20-0300	3"	76.2	91.0	20	300	60	900	0.9	360	3.1	40
PLUTO LT 20-0316	3-5/32"	80.0	95.0	20	300	60	900	0.9	400	3.3	40
PLUTO LT 20-0355	3-35/64"	90.0	105.0	20	300	60	900	0.9	450	3.9	40
PLUTO LT 20-0400	4"	101.6	118.0	20	300	60	900	0.9	550	4.5	40

PLUTO SUPFLEX

SUPFLEX PETROLEUM SUCTION AND DELIVERY HOSE



APPLICATIONS

Supflex hardwall hose for application in small spaces and corners of tank trucks and factories. Suitable for suction and discharge of petroleum products with aromatic content less than 60% including diesel, ethanol, gasoline, etc. Corrugated cover can reduce friction coefficient and improve wear resistance. Anti-static.

ADVANTAGES

Suitable for application in small spaces and corners of tank trucks and factories.

TECHNICAL DESCRIPTION

Tube: Black, smooth NBR rubber, RMA Class A, Conductive, $R < 10^6 \Omega$

Reinforcement: High strength synthetic cord, steel helix wire

Cover: Black, corrugated, synthetic rubber, Conductive, $R < 10^9 \Omega$

Temperature Range: -30°C (-22°F) to +93°C (+199°F)

No.	Size (inch)	I.D. (mm)	O.D. (mm)	W.P.		B.P.		Vacuum (bar)	MBR (mm)	Weight (kg/m)	Length (m)
				(bar)	(psi)	(bar)	(psi)				
PLUTO SUPFLEX-0075	3/4"	19.1	31.0	17	250	68	1000	0.9	19	0.65	40
PLUTO SUPFLEX-0100	1"	25.4	37.0	17	250	68	1000	0.9	25	0.81	40
PLUTO SUPFLEX-0150	1-1/2"	38.1	50.0	17	250	68	1000	0.9	38	1.08	40
PLUTO SUPFLEX-0200	2"	50.8	64.0	17	250	68	1000	0.9	51	1.43	40
PLUTO SUPFLEX-0250	2-1/2"	63.5	78.0	17	250	68	1000	0.9	64	2.10	40
PLUTO SUPFLEX-0300	3"	76.2	91.0	17	250	68	1000	0.9	76	2.51	40
PLUTO SUPFLEX-0400	4"	101.6	118.0	17	250	68	1000	0.9	101	3.61	40

Dimensional tolerance is compliant with ISO 1307.

DOHA C

AIRCRAFT REFUELING HOSE TYPE C



APPLICATIONS

Flexible hose for aviation refueling application. Suitable for delivery of petroleum products with aromatics up to 50%. Hose certified with GB/T10543, ISO1825 and EN1361.

TECHNICAL DESCRIPTION

Tube: Black, smooth, NBR rubber, oil resistant

Reinforcement: High strength synthetic cord

Cover: Black, NBR synthetic rubber, antistatic, wrapped finish. Wear and aging resistant

Temperature Range: -30°C (-22°F) to +70°C (+158°F)

STANDARDS



No.	Size (inch)	I.D. (mm)	O.D. (mm)	W.P.		B.P.		Vacuum (bar)	MBR (mm)	Weight (kg/m)	Length (m)
				(bar)	(psi)	(bar)	(psi)				
DOHA C-0075	3/4"	19.1	31.0	20	300	80	1200	0.5	90	0.5	40
DOHA C-0100	1"	25.4	38.0	20	300	80	1200	0.5	115	0.7	40
DOHA C-0125	1-1/4"	31.8	45.0	20	300	80	1200	0.5	140	1.1	40
DOHA C-0150	1-1/2"	38.1	51.0	20	300	80	1200	0.5	180	1.3	40
DOHA C-0200	2"	50.8	66.0	20	300	80	1200	0.5	215	1.8	40
DOHA C-0250	2-1/2"	63.5	80.0	20	300	80	1200	0.5	230	2.5	40
DOHA C-0300	3"	76.2	91.0	20	300	80	1200	0.5	280	3.0	40
DOHA C-0400	4"	101.6	122.0	20	300	80	1200	0.5	350	5.1	40

Dimensional tolerance is compliant with ISO 1307.

DOHA E

AIRCRAFT REFUELING HOSE TYPE E



APPLICATIONS

Flexible hose for aviation refueling application. Suitable for suction and delivery of petroleum products with aromatics up to 50%. Hose certified with GB/T10543, ISO1825 and EN1361.

TECHNICAL DESCRIPTION

Tube: Black, smooth, NBR rubber, oil resistant

Reinforcement: High strength synthetic cord, steel helix wire

Cover: Black, NBR synthetic rubber, wrapped finish. Wear and aging resistant, antistatic

Temperature Range: -30°C (-22°F) to +70°C (+158°F)

STANDARDS



No.	Size (inch)	I.D. (mm)	O.D. (mm)	W.P.		B.P.		Vacuum (bar)	MBR (mm)	Weight (kg/m)	Length (m)
				(bar)	(psi)	(bar)	(psi)				
DOHA E-0075	3/4"	19.1	31.0	20	300	80	1200	0.9	90	0.5	40
DOHA E-0100	1"	25.4	38.0	20	300	80	1200	0.9	115	0.7	40
DOHA E-0125	1-1/4"	31.8	45.0	20	300	80	1200	0.9	140	1.1	40
DOHA E-0150	1-1/2"	38.1	51.0	20	300	80	1200	0.9	180	1.3	40
DOHA E-0200	2"	50.8	66.0	20	300	80	1200	0.9	215	1.8	40
DOHA E-0250	2-1/2"	63.5	80.0	20	300	80	1200	0.9	230	2.5	40
DOHA E-0300	3"	76.2	93.0	20	300	80	1200	0.9	280	3.2	40
DOHA E-0400	4"	101.6	123.0	20	300	80	1200	0.9	350	5.3	40

Dimensional tolerance is compliant with ISO 1307.

CERES D

NBR FOOD DELIVERY HOSE



APPLICATIONS

Delivery hose for fatty and non-fatty foods including milk, beer, vegetable oil, edible oil, grease, etc. Taste-free and odorless. Suitable for tankers and food plants. It can also be used as a ventilation line of tankers to transfer liquid foods with a temperature up to 120°C (not recommended for compressor lines).

ADVANTAGES

Suitable for fatty and non-fatty foods
 Suitable for 96% alcohol delivery

TECHNICAL DESCRIPTION

Tube: White, smooth NBR rubber, food-grade, oil resistant, 100% phthalates free
Reinforcement: High strength synthetic cord
Cover: Blue, smooth, NBR rubber, wrapped finish, abrasion, aging, and wear resistant
Temperature Range: -30°C (-22°F) to +100°C (+212°F)

*Temperature for steam cleaning should no more than 130°C (266°F) and lasting time no more than 20min

STANDARDS



No.	Size (inch)	I.D. (mm)	O.D. (mm)	W.P. (bar) (psi)		B.P. (bar) (psi)		MBR (mm)	Weight (kg/m)	Length (m)
CERES D-0075	3/4"	19.1	31.0	10	150	40	600	114	0.65	40
CERES D-0100	1"	25.4	37.0	10	150	40	600	150	0.79	40
CERES D-0125	1-1/4"	31.8	44.0	10	150	40	600	192	0.93	40
CERES D-0150	1-1/2"	38.1	50.0	10	150	40	600	228	1.16	40
CERES D-0158	1-37/64"	40.0	52.0	10	150	40	600	240	1.28	40
CERES D-0200	2"	50.8	64.0	10	150	40	600	306	1.67	40
CERES D-0238	2-3/8"	60.0	64.0	10	150	40	600	360	2.13	40
CERES D-0250	2-1/2"	63.5	78.0	10	150	40	600	381	2.32	40
CERES D-0300	3"	76.2	91.0	10	150	40	600	456	2.77	40
CERES D-0316	3-5/32"	80.0	95.0	10	150	40	600	480	3.22	40
CERES D-0400	4"	101.6	120.0	10	150	40	600	612	3.83	40

Dimensional tolerance is compliant with ISO 1307.

CERES

NBR FOOD SUCTION AND DELIVERY HOSE



APPLICATIONS

Flexible hose for suction and discharge fatty and non-fatty foods including milk, beer, vegetable oil, edible oil, grease, etc. Taste-free and odorless. Suitable for Food tankers and food plants. Suitable for 96% alcohol delivery. It can also be used as a ventilation line of tankers to transfer liquid foods with a temperature up to 120°C (not recommended for compressor lines).

ADVANTAGES

Suitable for fatty and non-fatty foods
 Suitable for 96% alcohol delivery

TECHNICAL DESCRIPTION

Tube: White, smooth NBR rubber, food-grade, oil resistant, 100% phthalates free

Reinforcement: High strength synthetic cord and steel helix wire

Cover: Blue, smooth, NBR rubber, wrapped finish, abrasion, aging, and wear resistant

Temperature Range: -30°C (-22°F) to +100°C (+212°F)

*Temperature for steam cleaning should no more than 130°C (266°F) and lasting time no more than 20min

STANDARDS



No.	Size (inch)	I.D. (mm)	O.D. (mm)	W.P. (bar) (psi)		B.P. (bar) (psi)		Vacuum (bar)	MBR (mm)	Weight (kg/m)	Length (m)
CERES-0075	3/4"	19.1	31.0	10	150	40	600	0.9	60	0.70	40
CERES-0100	1"	25.4	37.0	10	150	40	600	0.9	80	0.85	40
CERES-0125	1-1/4"	31.8	44.0	10	150	40	600	0.9	100	1.03	40
CERES-0150	1-1/2"	38.1	50.0	10	150	40	600	0.9	115	1.28	40
CERES-0158	1-37/64"	40.0	52.0	10	150	40	600	0.9	125	1.46	40
CERES-0200	2"	50.8	64.0	10	150	40	600	0.9	150	1.83	40
CERES-0238	2-3/8"	60.0	73.0	10	150	40	600	0.9	180	2.38	40
CERES-0250	2-1/2"	63.5	78.0	10	150	40	600	0.9	180	2.70	40
CERES-0300	3"	76.2	91.0	10	150	40	600	0.9	225	3.21	40
CERES-0316	3-5/32"	80.0	95.0	10	150	40	600	0.9	320	3.57	40
CERES-0400	4"	101.6	120.0	10	150	40	600	0.9	350	4.54	40

Dimensional tolerance is compliant with ISO 1307.

CRATOS

CRUSH RESISTANT FOOD SUCTION AND DELIVERY HOSE



APPLICATIONS

Hardwall hose with special reinforcement material that can return to its original shape after accidental squeezing. Suitable for suction and discharge of oily and non-oily foodstuffs in tank trucks.

ADVANTAGES

Returns to original shape after accidental squeezing

TECHNICAL DESCRIPTION

Tube: White, smooth, food grade NBR synthetic rubber, wear-resistant

Reinforcement: High strength synthetic cord with PET helix wire

Cover: Blue, NBR synthetic rubber, wrapped finish, high aging-resistant

Temperature Range: -30°C (-22°F) to +100°C (+212°F)

STANDARDS

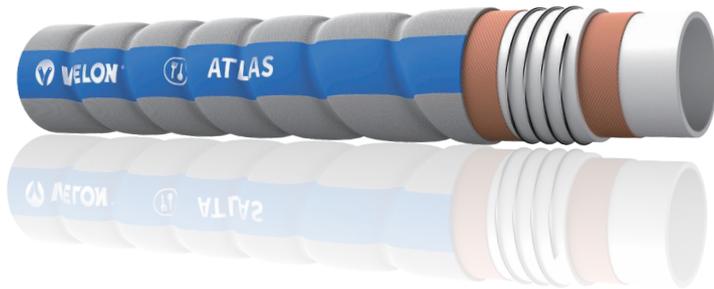


No.	Size (inch)	I.D. (mm)	O.D. (mm)	W.P. (bar) (psi)		B.P. (bar) (psi)		Vacuum (bar)	MBR (mm)	Weight (kg/m)	Length (m)
CRATOS-0075	3/4"	19.1	35.0	10	150	30	450	0.7	85.95	0.88	40
CRATOS-0100	1"	25.4	41.0	10	150	30	450	0.7	114.30	1.15	40
CRATOS-0125	1-1/4"	31.8	47.5	10	150	30	450	0.7	143.10	1.35	40
CRATOS-0150	1-1/2"	38.1	54.0	10	150	30	450	0.7	171.45	1.58	40
CRATOS-0200	2"	50.8	67.0	10	150	30	450	0.7	228.60	2.06	40
CRATOS-0250	2-1/2"	63.5	82.0	10	150	30	450	0.7	285.75	2.67	40
CRATOS-0300	3"	76.2	94.0	10	150	30	450	0.7	342.90	3.55	40

Dimensional tolerance is compliant with ISO 1307.

ATLAS

SUPFLEX NBR FOOD SUCTION AND DELIVERY HOSE



APPLICATIONS

Lightweight hose for suction and discharge of all foodstuffs. Corrugated, extremely soft and anti-kinking. Food-grade tube, phthalates free. Specially designed for breweries.

ADVANTAGES

Corrugated, extremely soft and light weight

TECHNICAL DESCRIPTION

Tube: White, NBR synthetic rubber

Reinforcement: High strength synthetic cord and dual steel helix wire

Cover: Grey, corrugated, NBR synthetic rubber, wrapped finish

Temperature Range: -30°C (-22°F) to +100°C (+212°F)

STANDARDS



No.	Size (inch)	I.D. (mm)	O.D. (mm)	W.P.		B.P.		MBR (mm)	Weight (kg/m)	Length (m)
				(bar)	(psi)	(bar)	(psi)			
ATLAS-0075	3/4"	19.1	31.0	10	150	40	600	45	0.63	40
ATLAS-0100	1"	25.4	37.0	10	150	40	600	50	0.79	40
ATLAS-0125	1-1/4"	31.8	44.0	10	150	40	600	60	0.95	40
ATLAS-0150	1-1/2"	38.1	50.0	10	150	40	600	64	1.15	40
ATLAS-0158	1-37/64"	40.0	52.0	10	150	40	600	75	1.23	40
ATLAS-0200	2"	50.8	64.0	10	150	40	600	76	1.49	40
ATLAS-0238	2-3/8"	60.0	73.0	10	150	40	600	120	1.91	40
ATLAS-0250	2-1/2"	63.5	78.0	10	150	40	600	127	2.17	40
ATLAS-0300	3"	76.2	91.0	10	150	40	600	140	2.90	40
ATLAS-0316	3-5/32"	80.0	95.0	10	150	40	600	160	3.24	40
ATLAS-0400	4"	101.6	118.0	10	150	40	600	191	3.85	40

Dimensional tolerance is compliant with ISO 1307.

HESTIA D

EPDM FOOD DELIVERY HOSE



APPLICATIONS

Food-grade delivery hose. Designed for a wide range of foodstuffs.
Not recommended for fatty food.

TECHNICAL DESCRIPTION

Tube: White, food-grade, smooth, EPDM rubber

Reinforcement: High strength synthetic cord

Cover: Blue, smooth, synthetic rubber, wrapped finish, weathering, ozone, and aging resistant

Temperature Range: -40°C (-40°F) to +120°C (+248°F)

STANDARDS



No.	Size (inch)	I.D. (mm)	O.D. (mm)	W.P.		B.P.		MBR (mm)	Weight (kg/m)	Length (m)
				(bar)	(psi)	(bar)	(psi)			
HESTIA D-0075	3/4"	19.1	31.0	10	150	40	600	114	0.64	40
HESTIA D-0100	1"	25.4	37.0	10	150	40	600	150	0.79	40
HESTIA D-0125	1-1/4"	31.8	44.0	10	150	40	600	192	0.93	40
HESTIA D-0150	1-1/2"	38.1	50.0	10	150	40	600	228	1.11	40
HESTIA D-0158	1-37/64"	40.0	52.0	10	150	40	600	240	1.39	40
HESTIA D-0200	2"	50.8	64.0	10	150	40	600	306	1.67	40
HESTIA D-0238	2-3/8"	60.0	73.0	10	150	40	600	360	2.12	40
HESTIA D-0250	2-1/2"	63.5	78.0	10	150	40	600	381	2.33	40
HESTIA D-0300	3"	76.2	91.0	10	150	40	600	456	2.77	40
HESTIA D-0316	3-5/32"	80.0	95.0	10	150	40	600	480	3.27	40
HESTIA D-0400	4"	101.6	120.0	10	150	40	600	612	3.63	40

Dimensional tolerance is compliant with ISO 1307.

HESTIA

EPDM FOOD SUCTION AND DELIVERY HOSE



APPLICATIONS

Food-grade suction hose. Designed for a wide range of foodstuffs. Not recommended for fatty food.

TECHNICAL DESCRIPTION

Tube: White, food-grade, smooth, EPDM rubber

Reinforcement: High strength synthetic cord and steel helix wire

Cover: Blue, smooth, synthetic rubber, wrapped finish, weathering, ozone, and aging resistant

Temperature Range: -40°C (-40°F) to +120°C (+248°F)

STANDARDS



No.	Size (inch)	I.D. (mm)	O.D. (mm)	W.P. (bar) (psi)		B.P. (bar) (psi)		Vacuum (bar)	MBR (mm)	Weight (kg/m)	Length (m)
HESTIA-0075	3/4"	19.1	31.0	10	150	40	600	0.9	60	0.69	40
HESTIA-0100	1"	25.4	37.0	10	150	40	600	0.9	80	0.85	40
HESTIA-0125	1-1/4"	31.8	44.0	10	150	40	600	0.9	100	1.03	40
HESTIA-0150	1-1/2"	38.1	50.0	10	150	40	600	0.9	115	1.23	40
HESTIA-0158	1-37/64"	40.0	52.0	10	150	40	600	0.9	125	1.51	40
HESTIA-0200	2"	50.8	64.0	10	150	40	600	0.9	150	1.83	40
HESTIA-0238	2-3/8"	60.0	73.0	10	150	40	600	0.9	175	2.51	40
HESTIA-0250	2-1/2"	63.5	78.0	10	150	40	600	0.9	180	2.71	40
HESTIA-0300	3"	76.2	91.0	10	150	40	600	0.9	225	3.21	40
HESTIA-0316	3-5/32"	80.0	95.0	10	150	40	600	0.9	300	3.72	40
HESTIA-0400	4"	101.6	120.0	10	150	40	600	0.9	350	4.34	40

Dimensional tolerance is compliant with ISO 1307.

DIKE D

NR FOOD DELIVERY HOSE



APPLICATIONS

Food-grade flexible hose, suitable for delivery of milk and liquid foodstuffs. The cover is abrasion resistant.

TECHNICAL DESCRIPTION

Tube: White, smooth, food-grade NR rubber, 100% phthalates free

Reinforcement: High strength synthetic cord

Cover: Blue, smooth, EPDM/NR synthetic rubber, wrapped finish, abrasion, weather, and aging resistant

Temperature Range: -30°C (-22°F) to +80°C (+176°F)

STANDARDS



No.	Size (inch)	I.D. (mm)	O.D. (mm)	W.P.		B.P.		MBR (mm)	Weight (kg/m)	Length (m)
				(bar)	(psi)	(bar)	(psi)			
DIKE D-0075	3/4"	19.1	31.0	10	150	40	600	114	0.53	40
DIKE D-0100	1"	25.4	37.0	10	150	40	600	150	0.71	40
DIKE D-0125	1-1/4"	31.8	44.0	10	150	40	600	192	0.85	40
DIKE D-0150	1-1/2"	38.1	50.0	10	150	40	600	228	1.01	40
DIKE D-0158	1-37/64"	40.0	52.0	10	150	40	600	240	1.12	40
DIKE D-0200	2"	50.8	64.0	10	150	40	600	306	1.34	40
DIKE D-0238	2-3/8"	60.0	73.0	10	150	40	600	360	1.98	40
DIKE D-0250	2-1/2"	63.5	78.0	10	150	40	600	381	2.23	40
DIKE D-0300	3"	76.2	91.0	10	150	40	600	456	2.54	40
DIKE D-0316	3-5/32"	80.0	95.0	10	150	40	600	480	3.08	40
DIKE D-0400	4"	101.6	120.0	10	150	40	600	612	3.46	40

Dimensional tolerance is compliant with ISO 1307.

DIKE

NR FOOD SUCTION AND DELIVERY HOSE



APPLICATIONS

Food-grade flexible hose, suitable for suction and delivery of milk and liquid foodstuffs. The cover is abrasion resistant.

TECHNICAL DESCRIPTION

Tube: White, smooth, food-grade NR rubber, 100% phthalates free

Reinforcement: High strength synthetic cord and steel helix wire

Cover: Blue smooth, EPDM/NR synthetic rubber, wrapped finish, abrasion, weather, and aging resistant

Temperature Range: -30°C (-22°F) to +80°C (+176°F)

STANDARDS



No.	Size (inch)	I.D. (mm)	O.D. (mm)	W.P. (bar) (psi)		B.P. (bar) (psi)		Vacuum (bar)	MBR (mm)	Weight (kg/m)	Length (m)
DIKE-0075	3/4"	19.1	31.0	10	150	40	600	0.9	60	0.60	40
DIKE-0100	1"	25.4	37.0	10	150	40	600	0.9	85	0.77	40
DIKE-0125	1-1/4"	31.8	44.0	10	150	40	600	0.9	115	0.96	40
DIKE-0150	1-1/2"	38.1	50.0	10	150	40	600	0.9	150	1.12	40
DIKE-0158	1-37/64"	40.0	52.0	10	150	40	600	0.9	160	1.24	40
DIKE-0200	2"	50.8	64.0	10	150	40	600	0.9	210	1.51	40
DIKE-0238	2-3/8"	60.0	73.0	10	150	40	600	0.9	240	2.36	40
DIKE-0250	2-1/2"	63.5	78.0	10	150	40	600	0.9	265	2.61	40
DIKE-0300	3"	76.2	91.0	10	150	40	600	0.9	320	2.98	40
DIKE-0316	3-5/32"	80.0	95.0	10	150	40	600	0.9	350	3.53	40
DIKE-0400	4"	101.6	120.0	10	150	40	600	0.9	430	4.17	40

Dimensional tolerance is compliant with ISO 1307.

PALLAS D

CIIR FOOD DELIVERY HOSE



APPLICATIONS

Food-grade softwall hose, phthalates free. Suitable for delivery of wine, beer, spirit, non-fatty foods, and alcohol up to 96%. Low permeability and easy cleaning.

ADVANTAGES

Food Grade CIIR with low permeability
100% Phthalates free

TECHNICAL DESCRIPTION

Tube: White, smooth, food-grade CIIR rubber, 100% phthalates free

Reinforcement: High strength synthetic cord

Cover: Blue, smooth, EPDM rubber, wrapped finish, ozone, weathering, and aging resistant

Temperature Range: -40°C (-40°F) to +120°C (+248°F)

STANDARDS



No.	Size (inch)	I.D. (mm)	O.D. (mm)	W.P.		B.P.		MBR (mm)	Weight (kg/m)	Length (m)
				(bar)	(psi)	(bar)	(psi)			
PALLAS D-0075	3/4"	19.1	31.0	10	150	30	450	114	0.67	40
PALLAS D-0100	1"	25.4	37.0	10	150	30	450	150	0.87	40
PALLAS D-0125	1-1/4"	31.8	44.0	10	150	30	450	192	1.03	40
PALLAS D-0150	1-1/2"	38.1	50.0	10	150	30	450	228	1.21	40
PALLAS D-0158	1-37/64"	40.0	52.0	10	150	30	450	240	1.44	40
PALLAS D-0200	2"	50.8	64.0	10	150	30	450	306	1.79	40
PALLAS D-0238	2-3/8"	60.0	73.0	10	150	30	450	360	2.58	40
PALLAS D-0250	2-1/2"	63.5	78.0	10	150	30	450	381	2.76	40
PALLAS D-0300	3"	76.2	91.0	10	150	30	450	456	3.11	40
PALLAS D-0316	3-5/32"	80.0	95.0	10	150	30	450	480	3.51	40
PALLAS D-0400	4"	101.6	120.0	10	150	30	450	612	4.07	40

Dimensional tolerance is compliant with ISO 1307.

PALLAS

CIIR FOOD SUCTION AND DELIVERY HOSE



APPLICATIONS

Food-grade hardwall hose, phthalates free. Suitable for suction and delivery of wine, beer, spirit, non-fatty foods, and alcohol up to 96%. Low permeability and easy cleaning.

ADVANTAGES

Food Grade CIIR with low permeability
100% Phthalates free

TECHNICAL DESCRIPTION

Tube: White, smooth, food-grade CIIR rubber, 100% phthalates free
Reinforcement: High strength synthetic cord and steel helix wire
Cover: Blue, smooth, EPDM rubber, wrapped finish, ozone, weathering, and aging resistant
Temperature Range: -40°C (-40°F) to +120°C (+248°F)

STANDARDS



No.	Size (inch)	I.D. (mm)	O.D. (mm)	W.P.		B.P.		MBR (mm)	Weight (kg/m)	Length (m)
				(bar)	(psi)	(bar)	(psi)			
PALLAS-0075	3/4"	19.1	31.0	10	150	30	450	114	0.72	40
PALLAS-0100	1"	25.4	37.0	10	150	30	450	150	0.93	40
PALLAS-0125	1-1/4"	31.8	44.0	10	150	30	450	192	1.13	40
PALLAS-0150	1-1/2"	38.1	50.0	10	150	30	450	228	1.33	40
PALLAS-0158	1-37/64"	40.0	52.0	10	150	30	450	240	1.56	40
PALLAS-0200	2"	50.8	64.0	10	150	30	450	306	1.95	40
PALLAS-0238	2-3/8"	60.0	73.0	10	150	30	450	360	2.65	40
PALLAS-0250	2-1/2"	63.5	78.0	10	150	30	450	381	2.96	40
PALLAS-0300	3"	76.2	91.0	10	150	30	450	456	3.54	40
PALLAS-0316	3-5/32"	80.0	95.0	10	150	30	450	480	3.95	40
PALLAS-0400	4"	101.6	120.0	10	150	30	450	612	4.78	40

Dimensional tolerance is compliant with ISO 1307.

PALLAS EF

CORRUGATED CIIR FOOD SUCTION AND DELIVERY HOSE



APPLICATIONS

Corrugated food-grade hardwall hose, phthalates free, taste-free, and odorless. Suitable for suction and delivery of wine, beer, spirit, non-fatty foods, and alcohol up to 96%. Low permeability and easy cleaning.

ADVANTAGES

Food Grade CIIR with low permeability
100% Phthalates free

TECHNICAL DESCRIPTION

Tube: White, smooth, food-grade CIIR rubber, 100% phthalates free

Reinforcement: High strength synthetic cord and steel helix wire

Cover: Blue, corrugated, EPDM rubber, wrapped finish, ozone, weathering, and aging resistant

Temperature Range: -40°C (-40°F) to +120°C (+248°F)

STANDARDS



No.	Size (inch)	I.D. (mm)	O.D. (mm)	W.P.		B.P.		MBR (mm)	Weight (kg/m)	Length (m)
				(bar)	(psi)	(bar)	(psi)			
PALLAS EF-0075	3/4"	19.1	31.0	10	150	30	450	60	0.68	40
PALLAS EF-0100	1"	25.4	37.0	10	150	30	450	75	0.83	40
PALLAS EF-0125	1-1/4"	31.8	44.0	10	150	30	450	95	1.01	40
PALLAS EF-0150	1-1/2"	38.1	50.0	10	150	30	450	115	1.23	40
PALLAS EF-0158	1-37/64"	40.1	52.0	10	150	30	450	120	1.35	40
PALLAS EF-0200	2"	50.8	64.0	10	150	30	450	150	1.65	40
PALLAS EF-0238	2-3/8"	60.3	73.0	10	150	30	450	180	2.14	40
PALLAS EF-0250	2-1/2"	63.5	78.0	10	150	30	450	195	2.36	40
PALLAS EF-0300	3"	76.2	91.0	10	150	30	450	225	2.98	40
PALLAS EF-0316	3-5/32"	80.2	95.0	10	150	30	450	240	3.15	40
PALLAS EF-0400	4"	101.6	120.0	10	150	30	450	350	3.82	40

Dimensional tolerance is compliant with ISO 1307.

DIONE UPE POTABLE WATER HOSE



APPLICATIONS

Clear food-grade UPE hose. Hardwall, suitable for suction and delivery of all kinds of drinks, non-fatty and fatty foods. Especially for potable water.

ADVANTAGES

Food Grade UPE, Clean, 100% phthalates free.

TECHNICAL DESCRIPTION

Tube: Food grade UPE. Clean, 100% phthalates free

Reinforcement: High strength synthetic cord and steel helix wire

Cover: Blue EPDM rubber. Abrasion, ozone, weather, and aging resistance.

Temperature Range: -40°C (-40°F) to +100°C (+212°F)

STANDARDS

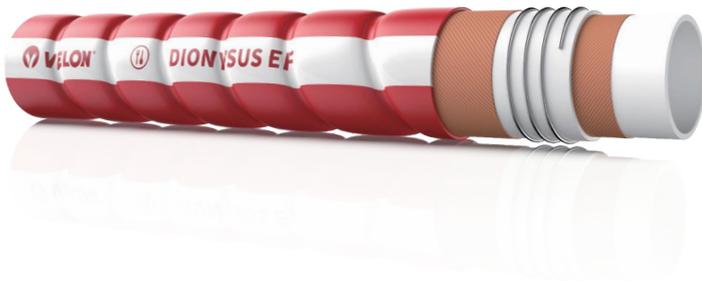


No.	Size (inch)	I.D. (mm)	O.D. (mm)	W.P. (bar) (psi)		B.P. (bar) (psi)		MBR (mm)	Weight (kg/m)	Length (m)
DIONE UPE-0050	1/2"	12.7	24.0	10	150	40	600	65	0.49	40
DIONE UPE-0075	3/4"	19.1	31.0	10	150	40	600	95	0.68	40
DIONE UPE-0100	1"	25.4	37.0	10	150	40	600	125	0.89	40
DIONE UPE-0125	1-1/4"	31.8	45.0	10	150	40	600	160	1.10	40
DIONE UPE-0150	1-1/2"	38.1	51.0	10	150	40	600	190	1.25	40
DIONE UPE-0200	2"	50.8	65.0	10	150	40	600	250	1.82	40
DIONE UPE-0250	2-1/2"	63.5	79.0	10	150	40	600	320	2.65	40
DIONE UPE-0300	3"	76.2	92.0	10	150	40	600	380	3.14	40
DIONE UPE-0400	4"	101.6	119.0	10	150	40	600	510	4.18	40

Dimensional tolerance is compliant with ISO 1307.

DIONYSUS EF

CORRUGATED CIIR FOOD SUCTION AND DELIVERY HOSE



APPLICATIONS

Food-grade hardwall hose, phthalates free. suitable for suction and discharge wine, non-fatty foods, and alcohol up to 96%. Corrugated cover with thermoplastic material, light-weight, super flexible. Low coefficient of friction, easy cleaning.

ADVANTAGES

Food Grade CIIR with low permeability
 100% Phthalates free
 Aging and weathering resistant
 Low coefficient of friction, easy cleaning

STANDARDS



TECHNICAL DESCRIPTION

Tube: White, smooth, food-grade CIIR rubber

Reinforcement: High strength synthetic cord and dual helix steel wire

Cover: Red, corrugated, EPDM rubber coated with thermoplastic film, wrapped finish, ozone, weathering and aging resistant

Temperature Range: -40°C (-40°F) to +120°C (+248°F)

No.	Size (inch)	I.D. (mm)	O.D. (mm)	W.P.		B.P.		MBR (mm)	Weight (kg/m)	Length (m)
				(bar)	(psi)	(bar)	(psi)			
DIONYSUS EF-0075	3/4"	19.1	31.0	10	150	30	450	60	0.65	40
DIONYSUS EF-0100	1"	25.4	37.0	10	150	30	450	75	0.75	40
DIONYSUS EF-0125	1-1/4"	31.8	44.0	10	150	30	450	95	0.92	40
DIONYSUS EF-0150	1-1/2"	38.1	50.0	10	150	30	450	115	1.23	40
DIONYSUS EF-0158	1-37/64"	40.1	53.0	10	150	30	450	120	1.28	40
DIONYSUS EF-0200	2"	50.8	64.0	10	150	30	450	150	1.56	40
DIONYSUS EF-0238	2-3/8"	60.3	73.0	10	150	30	450	180	1.92	40
DIONYSUS EF-0250	2-1/2"	63.5	78.5	10	150	30	450	195	2.08	40
DIONYSUS EF-0300	3"	76.2	95.0	10	150	30	450	225	2.78	40
DIONYSUS EF-0316	3-5/32"	80.2	95.0	10	150	30	450	240	2.95	40
DIONYSUS EF-0400	4"	101.6	118.0	10	150	30	450	350	3.52	40

Dimensional tolerance is compliant with ISO 1307.

DIONE

HOT WATER CLEANING HOSE



APPLICATIONS

Suitable for dairy, canned, aquatic, and other food industries. Also can be used to convey high-temperature liquid foodstuffs. Extremely flexible and can be rolled into hose reels.

TECHNICAL DESCRIPTION

Tube: White, food-grade, smooth, NBR rubber, oil resistant, phthalates free

Reinforcement: High strength synthetic textile

Cover: Blue smooth, NBR/PVC synthetic rubber, oil and aging resistant, anti-fouling

Temperature Range: -20°C (-4°F) to +100°C (+212°F)

STANDARDS



No.	Size (inch)	I.D. (mm)	O.D. (mm)	W.P. (Water) (bar)	W.P. (Steam) (bar)	B.P. (bar)	B.P. (psi)	MBR (mm)	Weight (kg/m)	Length (m)
DIONE-0031	5/16"	7.9	15.0	20	6	60	900	40	0.25	100
DIONE-0038	3/8"	9.5	18.0	20	6	60	900	45	0.30	100
DIONE-0050	1/2"	12.7	23.0	20	6	60	900	65	0.38	100
DIONE-0063	5/8"	15.9	26.0	20	6	60	900	85	0.44	100
DIONE-0075	3/4"	19.1	31.0	20	6	60	900	100	0.63	80
DIONE-0100	1"	25.4	37.0	20	6	60	900	125	0.78	60

Dimensional tolerance is compliant with ISO 1307.

DIONE HT

STEAM CLEANING HOSE



APPLICATIONS

Softwall steam cleaning hose. Designed for delivery of hot water and steam up to 165°C, nonfatty foodstuffs. Widely used for dairy, creamery, brewery, and beverage industries.

ADVANTAGES

Saturated steam resistance maximum to 165°C (329°F)

TECHNICAL DESCRIPTION

Tube: White, food-grade, smooth EPDM rubber. Phthalates free

Reinforcement: High strength synthetic textile

Cover: Blue EPDM rubber, smooth, ozone resistant

Temperature Range: -40°C (-40°F) to +120°C (+248°F)

* Saturated steam: maximum to 165°C (329°F)

STANDARDS



No.	Size (inch)	I.D. (mm)	O.D. (mm)	W.P. (Water) (bar)	W.P. (Steam) (bar)	B.P. (bar) (psi)		MBR (mm)	Weight (kg/m)	Length (m)
DIONE HT-0050	1/2"	12.7	23.0	20	6	60	900	70	0.39	100
DIONE HT-0063	5/8"	15.9	27.0	20	6	60	900	90	0.45	100
DIONE HT-0075	3/4"	19.1	31.0	20	6	60	900	110	0.65	80
DIONE HT-0100	1"	25.4	37.0	20	6	60	900	130	0.81	60

Dimensional tolerance is compliant with ISO 1307.

MINOS D

EPDM CHEMICAL DELIVERY HOSE



APPLICATIONS

Softwall hose for transferring chemical solvents with a concentration up to 40% of sulfuric acid, 30% of hydrochloric acid, 15% of sodium hydroxide solution, and other equivalent chemical solvents at room temperature(except nitric acid).

TECHNICAL DESCRIPTION

Tube: Black, EPDM synthetic rubber, heat and chemical resistance

Reinforcement: High strength synthetic cord, antistatic copper wire

Cover: Black synthetic rubber, wrapped finish, acid and alkali resistant, aging and wear resistant

Temperature Range: -34°C (-29°F) to +100°C (+212°F)

STANDARDS



No.	Size (inch)	I.D. (mm)	O.D. (mm)	W.P.		B.P.		MBR (mm)	Weight (kg/m)	Length (m)
				(bar)	(psi)	(bar)	(psi)			
MINOS D-0075	3/4"	19.1	31.0	10	150	40	600	114	0.75	40
MINOS D-0100	1"	25.4	37.0	10	150	40	600	150	0.94	40
MINOS D-0125	1-1/4"	31.8	44.0	10	150	40	600	195	1.10	40
MINOS D-0150	1-1/2"	38.1	50.0	10	150	40	600	230	1.28	40
MINOS D-0200	2"	50.8	64.0	10	150	40	600	300	1.74	40
MINOS D-0250	2-1/2"	63.5	78.0	10	150	40	600	400	2.12	40
MINOS D-0300	3"	76.2	91.0	10	150	40	600	460	3.26	40
MINOS D-0400	4"	101.6	118.0	10	150	40	600	620	4.09	40

Dimensional tolerance is compliant with ISO 1307.

MINOS

EPDM CHEMICAL SUCTION AND DELIVERY HOSE



APPLICATIONS

Hardwall hose for transferring chemical solvents with a concentration up to 40% of sulfuric acid, 30% of hydrochloric acid, 15% of sodium hydroxide solution and other equivalent chemical solvents at room temperature(except nitric acid), can withstand vacuum pressure to -0.9bar.

TECHNICAL DESCRIPTION

Tube: Black, EPDM synthetic rubber, heat and chemical resistance

Reinforcement: High strength synthetic cord, helix steel wire, antistatic copper wire

Cover: Black synthetic rubber, wrapped finish, acid and alkali resistant, aging and wear resistant

Temperature Range: -34°C (-29°F) to +100°C (+212°F)

STANDARDS



No.	Size (inch)	I.D. (mm)	O.D. (mm)	W.P. (bar) (psi)		B.P. (bar) (psi)		Vacuum (bar)	MBR (mm)	Weight (kg/m)	Length (m)
MINOS-0075	3/4"	19.1	31.0	10	150	40	600	0.9	80	0.8	40
MINOS-0100	1"	25.4	37.0	10	150	40	600	0.9	100	1.0	40
MINOS-0125	1-1/4"	31.8	44.0	10	150	40	600	0.9	130	1.2	40
MINOS-0150	1-1/2"	38.1	50.0	10	150	40	600	0.9	152	1.4	40
MINOS-0200	2"	50.8	64.0	10	150	40	600	0.9	210	1.9	40
MINOS-0250	2-1/2"	63.5	78.0	10	150	40	600	0.9	254	2.5	40
MINOS-0300	3"	76.2	91.0	10	150	40	600	0.9	310	3.4	40
MINOS-0400	4"	101.6	118.0	10	150	40	600	0.9	410	4.8	40

Dimensional tolerance is compliant with ISO 1307.

MINOS EF

CORRUGATED EPDM CHEMICAL SUCTION AND DELIVERY HOSE



APPLICATIONS

Hardwall corrugated hose for transferring chemical solvents with a concentration up to 40% of sulfuric acid, 30% of hydrochloric acid, 15% of sodium hydroxide solution and other equivalent chemical solvents at room temperature(except nitric acid), can withstand vacuum pressure to -0.9bar.

TECHNICAL DESCRIPTION

Tube: Black, EPDM synthetic rubber, heat and chemical resistance

Reinforcement: High strength synthetic cord, helix steel wire, antistatic copper wire

Cover: Black synthetic rubber, corrugated, wrapped finish, acid and alkali resistant, aging and wear resistant

Temperature Range: -34°C (-29°F) to +100°C (+212°F)

STANDARDS



No.	Size (inch)	I.D. (mm)	O.D. (mm)	W.P.		B.P.		Vacuum (bar)	MBR (mm)	Weight (kg/m)	Length (m)
				(bar)	(psi)	(bar)	(psi)				
MINOS EF-0075	3/4"	19.1	31.0	10	150	40	600	0.9	50	0.68	40
MINOS EF-0100	1"	25.4	37.0	10	150	40	600	0.9	70	0.83	40
MINOS EF-0125	1-1/4"	31.8	44.0	10	150	40	600	0.9	95	0.98	40
MINOS EF-0150	1-1/2"	38.1	50.0	10	150	40	600	0.9	110	1.12	40
MINOS EF-0200	2"	50.8	64.0	10	150	40	600	0.9	150	1.45	40
MINOS EF-0250	2-1/2"	63.5	78.0	10	150	40	600	0.9	190	2.13	40
MINOS EF-0300	3"	76.2	91.0	10	150	40	600	0.9	220	2.67	40
MINOS EF-0400	4"	101.6	118.0	10	150	40	600	0.9	300	3.72	40

Dimensional tolerance is compliant with ISO 1307.

ORION

UPE CHEMICAL SUCTION AND DELIVERY HOSE



APPLICATIONS

Hardwall UPE tube hose for transferring corrosive chemicals, fuels, and solvents for petroleum, chemical, API, lithium battery, and general industries.

TECHNICAL DESCRIPTION

Tube: White, smooth, UHMWPE (UPE)

Reinforcement: High strength synthetic cord, steel helix wire

Cover: Blue, smooth, EPDM synthetic rubber, wrapped finish, wear and aging resistant

Temperature Range: -40°C (-40°F) to +100°C (+212°F)

STANDARDS



No.	Size (inch)	I.D. (mm)	O.D. (mm)	W.P. (bar) (psi)		B.P. (bar) (psi)		Vacuum (bar)	MBR (mm)	Weight (kg/m)	Length (m)
ORION-0075	3/4"	19.1	31.0	16	250	48	750	0.9	80	0.75	40
ORION-0100	1"	25.4	37.5	16	250	48	750	0.9	95	0.95	40
ORION-0125	1-1/4"	31.8	45.0	16	250	48	750	0.9	125	1.10	40
ORION-0150	1-1/2"	38.1	51.5	16	250	48	750	0.9	160	1.39	40
ORION-0200	2"	50.8	65.0	16	250	48	750	0.9	190	2.30	40
ORION-0250	2-1/2"	63.5	79.0	16	250	48	750	0.9	255	3.05	40
ORION-0300	3"	76.2	91.0	16	250	48	750	0.9	330	3.62	40
ORION-0400	4"	101.6	120.0	16	250	48	750	0.9	485	4.67	40

Dimensional tolerance is compliant with ISO 1307.

ORION EF

CORRUGATED UPE CHEMICAL SUCTION AND DELIVERY HOSE



APPLICATIONS

Hardwall corrugated UPE tube hose for transferring corrosive chemicals, fuels, and solvents for petroleum, chemical, API, lithium battery, and general industries.

ADVANTAGES

Corrugated, extremely soft and light weight

TECHNICAL DESCRIPTION

Tube: White, smooth, UHMWPE (UPE)

Reinforcement: High strength synthetic cord, steel helix wire

Cover: Blue, corrugated, EPDM synthetic rubber, wrapped finish, wear and aging resistant

Temperature Range: -40°C (-40°F) to +100°C (+212°F)

STANDARDS



No.	Size (inch)	I.D. (mm)	O.D. (mm)	W.P.		B.P.		Vacuum (bar)	MBR (mm)	Weight (kg/m)	Length (m)
				(bar)	(psi)	(bar)	(psi)				
ORION EF-0075	3/4"	19.1	31.0	16	250	48	750	0.9	43	0.68	40
ORION EF-0100	1"	25.4	37.5	16	250	48	750	0.9	51	0.85	40
ORION EF-0125	1-1/4"	31.8	45.0	16	250	48	750	0.9	76	1.01	40
ORION EF-0150	1-1/2"	38.1	51.5	16	250	48	750	0.9	102	1.24	40
ORION EF-0200	2"	50.8	65.0	16	250	48	750	0.9	127	1.63	40
ORION EF-0250	2-1/2"	63.5	79.0	16	250	48	750	0.9	139	2.38	40
ORION EF-0300	3"	76.2	91.0	16	250	48	750	0.9	164	2.83	40
ORION EF-0400	4"	101.6	120.0	16	250	48	750	0.9	215	3.92	40

Dimensional tolerance is compliant with ISO 1307.

ORION C

CONDUCTIVE UPE CHEMICAL SUCTION HOSE



APPLICATIONS

Hardwall conductive UPE tube hose for transferring corrosive chemicals, fuels, and solvents for petroleum, chemical, API, lithium battery, and general industries.

TECHNICAL DESCRIPTION

Tube: Black, smooth, UHMWPE (UPE), conductive, $R < 10^6 \Omega$

Reinforcement: High strength synthetic cord, steel helix wire

Cover: Blue, smooth, EPDM synthetic rubber, wrapped finish, wear and aging resistant

Temperature Range: -40°C (-40°F) to $+100^\circ\text{C}$ ($+212^\circ\text{F}$)

STANDARDS



No.	Size (inch)	I.D. (mm)	O.D. (mm)	W.P.		B.P.		Vacuum (bar)	MBR (mm)	Weight (kg/m)	Length (m)
				(bar)	(psi)	(bar)	(psi)				
ORION C-0075	3/4"	19.1	31.0	16	250	48	750	0.9	80	0.75	40
ORION C-0100	1"	25.4	37.5	16	250	48	750	0.9	95	0.95	40
ORION C-0125	1-1/4"	31.8	45.0	16	250	48	750	0.9	125	1.10	40
ORION C-0150	1-1/2"	38.1	51.5	16	250	48	750	0.9	160	1.39	40
ORION C-0200	2"	50.8	65.0	16	250	48	750	0.9	190	2.30	40
ORION C-0250	2-1/2"	63.5	79.0	16	250	48	750	0.9	255	3.05	40
ORION C-0300	3"	76.2	91.0	16	250	48	750	0.9	330	3.62	40
ORION C-0400	4"	101.6	120.0	16	250	48	750	0.9	485	4.67	40

Dimensional tolerance is compliant with ISO 1307.

TITAN

CONDUCTIVE UPE CHEMICAL SUCTION HOSE



APPLICATIONS

Hardwall hose for suction and discharge of chemicals including high concentration alcohols, high concentration acids, halogenated and aromatic solvents. Inner tube is conductive.

TECHNICAL DESCRIPTION

Tube: White, food-grade, UHMWPE (UPE) with black antistatic strip, R<10⁶Ω

Reinforcement: High strength synthetic cords, steel helix wire

Cover: Grey, corrugated EPDM, wrapped finish, abrasion, ozone, weather, and aging resistant

Temperature Range: -40°C (-40°F) to +100°C (+212°F)

STANDARDS



No.	Size (inch)	I.D. (mm)	O.D. (mm)	W.P. (bar) (psi)		B.P. (bar) (psi)		Vacuum (bar)	MBR (mm)	Weight (kg/m)	Length (m)
TITAN-0050	1/2"	12.7	25.0	20	300	60	900	0.9	76	0.45	40
TITAN-0075	3/4"	19.1	31.0	20	300	60	900	0.9	102	0.74	40
TITAN-0100	1"	25.4	37.0	20	300	60	900	0.9	127	0.89	40
TITAN-0125	1-1/4"	31.8	45.0	20	300	60	900	0.9	159	1.04	40
TITAN-0150	1-1/2"	38.1	51.0	20	300	60	900	0.9	191	1.64	40
TITAN-0200	2"	50.8	65.0	20	300	60	900	0.9	254	2.23	40
TITAN-0250	2-1/2"	63.5	79.0	20	300	60	900	0.9	305	2.83	40
TITAN-0300	3"	76.2	92.0	20	300	60	900	0.9	356	3.72	40
TITAN-0400	4"	101.6	119.0	20	300	60	900	0.9	406	5.51	40

Dimensional tolerance is compliant with ISO 1307.

HODUR

CORRUGATED UPE CONDUCTIVE CHEMICAL SUCTION AND DELIVERY HOSE



APPLICATIONS

Hardwall hose for suction and discharge of corrosive chemicals in chemical, lithium battery, fine chemical, API, and related industries.

ADVANTAGES

Corrugated, easy to bend

TECHNICAL DESCRIPTION

Tube: White, food-grade, UHMWPE (UPE) with black antistatic strip, $R < 10^9 \Omega$

Reinforcement: High strength synthetic cord, dual steel helix wire

Cover: Blue, corrugated, EPDM synthetic rubber, wrapped finish

Temperature Range: -40°C (-40°F) to $+100^\circ\text{C}$ ($+212^\circ\text{F}$)

STANDARDS



No.	Size (inch)	I.D. (mm)	O.D. (mm)	W.P.		B.P.		Vacuum (bar)	MBR (mm)	Weight (kg/m)	Length (m)
				(bar)	(psi)	(bar)	(psi)				
HODUR-0050	1/2"	12.7	24.0	13.8	200	55	800	0.9	38	0.49	40
HODUR-0075	3/4"	19.1	31.0	13.8	200	55	800	0.9	43	0.68	40
HODUR-0100	1"	25.4	37.0	13.8	200	55	800	0.9	51	0.89	40
HODUR-0125	1-1/4"	31.8	45.0	13.8	200	55	800	0.9	76	1.10	40
HODUR-0150	1-1/2"	38.1	51.0	13.8	200	55	800	0.9	102	1.30	40
HODUR-0200	2"	50.8	65.0	13.8	200	55	800	0.9	127	1.82	40
HODUR-0250	2-1/2"	63.5	79.0	13.8	200	55	800	0.9	139	2.65	40
HODUR-0300	3"	76.2	92.0	13.8	200	55	800	0.9	164	3.14	40
HODUR-0400	4"	101.6	119.0	13.8	200	55	800	0.9	215	4.18	40

Dimensional tolerance is compliant with ISO 1307.

TALOS UPE

UPE FULL CONDUCTIVE CHEMICAL SUCTION AND DELIVERY HOSE



APPLICATIONS

Hardwall hose for suction and discharge of corrosive chemicals and petroleum products in new energy, petrochemical, fine chemicals, paper printing, cosmetics, food and beverage, pharmaceuticals, and other industries. The inner tube and cover are conductive and suitable for ATEX applications.

TECHNICAL DESCRIPTION

Tube: White, food-grade, UHMWPE (UPE) with black antistatic strip, $R < 10^6 \Omega$. 100% phthalates free

Reinforcement: High strength synthetic cords, steel helix wire

Cover: Black, conductive EPDM rubber, $R < 10^9 \Omega$ wrapped finish, abrasion, ozone, weather, and aging resistant

Temperature Range: -40°C (-40°F) to $+100^\circ\text{C}$ ($+212^\circ\text{F}$)

STANDARDS

GB 4806.7-2016	BfR III	EU 10/2011	EC 1935/2004	FDA 21 CFR 177.1520	PHthalates • FREE	EN 12115:2021
BPA • FREE						

No.	Size (inch)	I.D. (mm)	O.D. (mm)	W.P. (bar) (psi)		B.P. (bar) (psi)		Vacuum (bar)	MBR (mm)	Weight (kg/m)	Length (m)
TALOS UPE-0050	1/2"	12.7	24.0	16	250	64	960	0.9	80	0.75	40
TALOS UPE-0075	3/4"	19.1	31.0	16	250	64	960	0.9	115	0.75	40
TALOS UPE-0100	1"	25.4	37.0	16	250	64	960	0.9	155	0.92	40
TALOS UPE-0125	1-1/4"	31.8	45.0	16	250	64	960	0.9	200	1.10	40
TALOS UPE-0150	1-1/2"	38.1	51.0	16	250	64	960	0.9	240	1.39	40
TALOS UPE-0200	2"	50.8	65.0	16	250	64	960	0.9	330	2.33	40
TALOS UPE-0250	2-1/2"	63.5	79.0	16	250	64	960	0.9	415	3.09	40
TALOS UPE-0300	3"	76.2	92.0	16	250	64	960	0.9	500	3.62	40
TALOS UPE-0400	4"	101.6	119.0	16	250	64	960	0.9	675	4.67	40

Dimensional tolerance is compliant with ISO 1307.

TALOS UPE EF

CORRUGATED UPE FULL CONDUCTIVE CHEMICAL SUCTION AND DELIVERY HOSE



APPLICATIONS

Hardwall corrugated hose for suction and discharge of corrosive chemicals and petroleum products in new energy, petrochemical, fine chemicals, paper printing, cosmetics, food and beverage, pharmaceuticals, and other industries. The inner tube and cover are conductive and suitable for ATEX applications.

ADVANTAGES

Corrugated, easy to bend

TECHNICAL DESCRIPTION

Tube: White, food-grade UPE with black antistatic strip. $R < 10^9 \Omega$

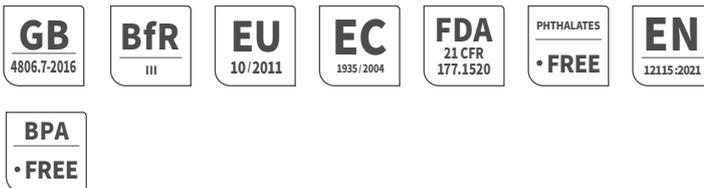
Reinforcement: High strength synthetic fabrics, steel helix wire

Cover: Black, corrugated, conductive EPDM. Wrapped finish

Abarsion, ozone, weather and aging resistant. $R < 10^9 \Omega$

Temperature Range: -40°C (-40°F) to $+100^\circ\text{C}$ ($+212^\circ\text{F}$)

STANDARDS



No.	Size (inch)	I.D. (mm)	O.D. (mm)	W.P.		B.P.		Vacuum (bar)	MBR (mm)	Weight (kg/m)	Length (m)
				(bar)	(psi)	(bar)	(psi)				
TALOS UPE EF-0075	3/4"	19.1	31.0	16	250	64	960	0.9	43	0.68	40
TALOS UPE EF-0100	1"	25.4	37.0	16	250	64	960	0.9	51	0.89	40
TALOS UPE EF-0125	1-1/4"	31.8	45.0	16	250	64	960	0.9	76	1.10	40
TALOS UPE EF-0150	1-1/2"	38.1	51.0	16	250	64	960	0.9	102	1.30	40
TALOS UPE EF-0200	2"	50.8	65.0	16	250	64	960	0.9	127	1.82	40
TALOS UPE EF-0250	2-1/2"	63.5	79.0	16	250	64	960	0.9	139	2.65	40
TALOS UPE EF-0300	3"	76.2	92.0	16	250	64	960	0.9	164	3.14	40
TALOS UPE EF-0400	4"	101.6	119.0	16	250	64	960	0.9	215	4.18	40

Dimensional tolerance is compliant with ISO 1307.

ARES FEP

FEP CHEMICAL SUCTION AND DELIVERY HOSE



APPLICATIONS

Hardwall FEP tube hose for suction and discharge of corrosive chemicals and petroleum products (except chlorine trifluoride, chlorine and fluorine gas, oxygen, difluoride, phosgene, and molten alkali metals like sodium). Suitable for petrochemical, food and beverage, fine chemicals, cosmetics, API and biopharmaceuticals, new energy, lithium battery, semiconductor, and other industries.

ADVANTAGES

- High temperature oxidation resistance
- Excellent chemical and mechanical properties
- Phthalate Free
- Compliant with RoHS

STANDARDS



TECHNICAL DESCRIPTION

Tube: White, smooth, extruded FEP, excellent high temperature, mechanical properties, and oxidation resistant

Reinforcement: High strength synthetic cords, steel helix wire

Cover: Green EPDM rubber, wrapped finish, abrasion, ozone, and aging resistant

Temperature Range: -40°C (-40°F) to +150°C (+302°F)

No.	Size (inch)	I.D. (mm)	O.D. (mm)	W.P. (bar) (psi)		B.P. (bar) (psi)		Vacuum (bar)	MBR (mm)	Weight (kg/m)	Length (m)
ARES FEP-0050	1/2"	12.7	24.0	10	150	40	600	0.9	75	0.51	40
ARES FEP-0075	3/4"	19.1	31.0	10	150	40	600	0.9	110	0.66	40
ARES FEP-0100	1"	25.4	37.0	10	150	40	600	0.9	150	0.81	40
ARES FEP--125	1-1/4"	31.8	45.0	10	150	40	600	0.9	200	1.11	40
ARES FEP-0150	1-1/2"	38.1	51.0	10	150	40	600	0.9	240	1.35	40
ARES FEP-0200	2"	50.8	65.5	10	150	40	600	0.9	320	2.06	40
ARES FEP-0250	2-1/2"	63.5	79.5	10	150	40	600	0.9	430	2.96	40
ARES FEP-0300	3"	76.2	92.0	10	150	40	600	0.9	510	3.43	40
ARES FEP-0400	4"	101.6	118.5	10	150	40	600	0.9	675	4.60	40

Dimensional tolerance is compliant with ISO 1307.

PERSEUS

SAND BLAST HOSE



APPLICATIONS

Softwall sand blasting hose for delivery of highly abrasive products in castings, metal, stone, and concrete surfaces industries. Hose inner tube is conductive.

ADVANTAGES

Abrasion loss <70mm³
ISO 4649 standard compliant

STANDARDS



TECHNICAL DESCRIPTION

Tube: Black, smooth, conductive NBR synthetic rubber, R<1MΩ/m, wear-resistant

Reinforcement: High strength synthetic cord

Cover: Black, SBR synthetic rubber, wrapped finish, wear and aging resistant

Temperature Range: -30°C (-22°F) to +70°C (+158°F)

No.	Size (inch)	I.D. (mm)	O.D. (mm)	W.P.		B.P.		MBR (mm)	Weight (kg/m)	Length (m)
				(bar)	(psi)	(bar)	(psi)			
PERSEUS-0075	3/4"	19.1	32.0	12	170	36	510	95.5	0.66	40
PERSEUS-0100	1"	25.4	38.0	12	170	36	510	127.0	0.89	40
PERSEUS-0125	1-1/4"	31.8	48.0	12	170	36	510	159.0	1.29	40
PERSEUS-0150	1-1/2"	38.1	54.0	12	170	36	510	190.5	1.57	40
PERSEUS-0200	2"	50.8	68.0	12	170	36	510	254.0	2.39	40
PERSEUS-0250	2-1/2"	63.5	83.0	12	170	36	510	317.5	2.98	40
PERSEUS-0300	3"	76.2	99.0	12	170	36	510	381.0	4.30	40

Dimensional tolerance is compliant with ISO 1307.

HERACLES 40 PLASTER HOSE



STANDARDS



APPLICATIONS

Softwall hose for the delivery of highly corrosive materials, including grout, screed, plaster, and gypsum etc. Hose is conductive, which prevents static electricity.

ADVANTAGES

Abrasion loss <80mm³
ISO 4649 standard compliant

TECHNICAL DESCRIPTION

Tube: Black, smooth, conductive NR/SBR synthetic rubber, R<10⁶Ω, wear-resistant

Reinforcement: High strength synthetic cord

Cover: Black, smooth, NR/SBR synthetic rubber, wrapped finish, R<10⁶Ω, wear and aging resistant

Temperature Range: -30°C (-22°F) to +80°C (+176°F)

No.	Size (inch)	I.D. (mm)	O.D. (mm)	W.P.		B.P.		Vacuum	MBR	Weight	Length
				(bar)	(psi)	(bar)	(psi)	(bar)	(mm)	(kg/m)	(m)
HERACLES 40-0075	3/4"	19.1	31.0	40	600	120	1800	0.9	190	0.65	40
HERACLES 40-0100	1"	25.4	40.0	40	600	120	1800	0.9	250	0.81	40
HERACLES 40-0125	1-1/4"	31.8	46.0	40	600	120	1800	0.9	320	1.10	40
HERACLES 40-0150	1-1/2"	38.1	54.0	40	600	120	1800	0.9	380	1.40	40
HERACLES 40-0200	2"	50.8	67.0	40	600	120	1800	0.9	510	1.70	40
HERACLES 40-0250	2-1/2"	63.5	83.0	40	600	120	1800	0.9	635	2.60	40
HERACLES 40-0300	3"	76.2	95.0	40	600	120	1800	0.9	760	3.60	40
HERACLES 40-0400	4"	101.6	125.0	40	600	120	1800	0.9	1000	4.70	40

Dimensional tolerance is compliant with ISO 1307.

SISYPHUS EPDM

EPDM PERISTALTIC PUMP HOSE



APPLICATIONS

Softwall hose for peristaltic pumps. Suitable for the delivery of chemicals including acids, alcohols, and ketones.

TECHNICAL DESCRIPTION

Tube: Black, smooth, EPDM rubber

Reinforcement: Multi-layer high strength synthetic cord

Cover: Black, NR synthetic rubber, wrapped finish, highly wear-resistant

Temperature Range: -10°C (14°F) to +80°C (+176°F)

* The length, inner and outer diameters can be customized according to customer needs.

No.	Size (inch)	I.D. (mm)	O.D. (mm)	W.P.		B.P.	
				(bar)	(psi)	(bar)	(psi)
SISYPHUS EPDM -0038	3/8"	9.5	31.0	16	240	48	720
SISYPHUS EPDM -0060	3/5"	15.2	36.0	16	240	48	720
SISYPHUS EPDM -0075	3/4"	19.1	37.0	16	240	48	720
SISYPHUS EPDM -0100	1"	25.4	53.0	16	240	48	720
SISYPHUS EPDM -0125	1-1/4"	31.8	61.0	16	240	48	720
SISYPHUS EPDM -0150	1-1/2"	38.1	66.0	16	240	48	720
SISYPHUS EPDM -0200	2"	50.8	80.0	16	240	48	720
SISYPHUS EPDM -0250	2-1/2"	63.5	99.0	10	150	30	450
SISYPHUS EPDM -0300	3"	76.2	122.0	10	150	30	450
SISYPHUS EPDM -0400	4"	101.6	144.0	10	150	30	450

Dimensional tolerance is compliant with ISO 1307.

SISYPHUS NR

NR PERISTALTIC PUMP HOSE



APPLICATIONS

Softwall hose for peristaltic pumps,
Suitable for abrasive applications.

TECHNICAL DESCRIPTION

Tube: Black, smooth, NR rubber

Reinforcement: Multi-layer high strength synthetic cord

Cover: Black, NR synthetic rubber, wrapped finish,
highly wear-resistant

Temperature Range: -10°C (14°F) to +80°C (+176°F)

* The length, inner and outer diameters can be customized according to customer needs.

No.	Size (inch)	I.D. (mm)	O.D. (mm)	W.P.		B.P.		Weight (kg/m)
				(bar)	(psi)	(bar)	(psi)	
SISYPHUS NR -0038	3/8"	9.5	31.0	16	240	48	720	0.41
SISYPHUS NR -0060	3/5"	15.2	36.0	16	240	48	720	0.82
SISYPHUS NR -0075	3/4"	19.1	37.0	16	240	48	720	0.61
SISYPHUS NR -0100	1"	25.4	53.0	16	240	48	720	2.05
SISYPHUS NR -0125	1-1/4"	31.8	61.0	16	240	48	720	3.08
SISYPHUS NR -0150	1-1/2"	38.1	66.0	16	240	48	720	3.5
SISYPHUS NR -0200	2"	50.8	80.0	16	240	48	720	6.1
SISYPHUS NR -0250	2-1/2"	63.5	99.0	10	150	30	450	12.2
SISYPHUS NR -0300	3"	76.2	122.0	10	150	30	450	21.3
SISYPHUS NR -0400	4"	101.6	144.0	10	150	30	450	30.1

Dimensional tolerance is compliant with ISO 1307.

SISYPHUS F-NBR

NBR FOOD GRADE PERISTALTIC PUMP HOSE



APPLICATIONS

Softwall hose for peristaltic pumps. Suitable for the delivery of oily and non-oily foodstuffs.

TECHNICAL DESCRIPTION

Tube: White, smooth, NBR rubber, food-grade

Reinforcement: Multi-layer high strength synthetic cord

Cover: Black, NR synthetic rubber, wrapped finish, highly wear-resistant

Temperature Range: -10°C (14°F) to +80°C (+176°F)

* The length, inner and outer diameters can be customized according to customer needs.

No.	Size (inch)	I.D. (mm)	O.D. (mm)	W.P.		B.P.	
				(bar)	(psi)	(bar)	(psi)
SISYPHUS F NBR -0038	3/8"	9.5	31.0	16	240	48	720
SISYPHUS F NBR -0060	3/5"	15.2	36.0	16	240	48	720
SISYPHUS F NBR -0075	3/4"	19.1	37.0	16	240	48	720
SISYPHUS F NBR -0100	1"	25.4	53.0	16	240	48	720
SISYPHUS F NBR -0125	1-1/4"	31.8	61.0	16	240	48	720
SISYPHUS F NBR -0150	1-1/2"	38.1	66.0	16	240	48	720
SISYPHUS F NBR -0200	2"	50.8	80.0	16	240	48	720
SISYPHUS F NBR -0250	2-1/2"	63.5	99.0	10	150	30	450
SISYPHUS F NBR -0300	3"t	76.2	122.0	10	150	30	450
SISYPHUS F NBR -0400	4"	101.6	144.0	10	150	30	450

Dimensional tolerance is compliant with ISO 1307.

PANACEA

SUCTION AND DELIVERY SILICONE HOSE



APPLICATIONS

Platinum-cured silicone hose to suction and discharge fluids in food and beverage, cosmetic, and pharmaceutical industries.

ADVANTAGES

Excellent bending performance
 Suitable for CIP and SIP
 Food grade hose, tasteless, non-poisonous, phthalates free

TECHNICAL DESCRIPTION

Structure: High Purity platinum-cured silicone with 4 layers of polyester and 304 stainless steel helix wire.

SS316 steel wire is available to customize

Color: Semitransparent

Temperature Range: -60°C (-76°F) to +180°C (+356°F)

STANDARDS



No.	Size (inch)	I.D. (mm)	O.D. (mm)	W.P.		B.P.		Vacuum (bar)	MBR (mm)	Length (m)
				(bar)	(psi)	(bar)	(psi)			
PANACEA-0038	3/8"	9.5	21.9	10	150	40	600	0.90	55	10
PANACEA-0050	1/2"	12.7	25.1	10	150	40	600	0.90	60	10
PANACEA-0063	5/8"	15.9	28.4	10	150	40	600	0.90	70	10
PANACEA-0075	3/4"	19.1	31.4	10	150	40	600	0.90	85	10
PANACEA-0100	1"	25.4	37.8	10	150	40	600	0.90	110	10
PANACEA-0125	1-1/4"	31.8	44.2	10	150	40	600	0.90	140	10
PANACEA-0150	1-1/2"	38.1	50.5	10	150	40	600	0.90	180	10
PANACEA-0200	2"	50.8	63.2	10	150	40	600	0.90	250	10
PANACEA-0250	2-1/2"	63.5	75.9	7	100	28	400	0.68	280	6
PANACEA-0300	3"	76.2	88.6	4	60	16	240	0.68	390	6
PANACEA-0400	4"	101.6	114.4	3	45	12	180	0.68	480	6

Dimensional tolerance is compliant with ISO 1307.

PANACEA PRO

SUCTION AND DELIVERY SILICONE HOSE PRO



APPLICATIONS

Pharmaceutical grade silicone hose for ultrafiltration, purification, liquid dispensing system connection, and material transmission between tanks. Also can be used for extremely high hygiene requirements in the food and beverage industry, Compliant with USP Class VI.

ADVANTAGES

- Excellent bending performance
- Suitable for CIP and SIP
- Pharmaceutical grade hose, tasteless, non-poisonous, phthalates free

TECHNICAL DESCRIPTION

Structure: High purity platinum-cured silicone with 4 layers of polyester and 304 stainless steel helix wire.
SS316 steel wire is available to customize

Color: Semitransparent

Temperature Range: -60°C (-76°F) to +180°C (+356°F)

STANDARDS



No.	Size (inch)	I.D. (mm)	O.D. (mm)	W.P.		B.P.		Vacuum (bar)	MBR (mm)	Length (m)
				(bar)	(psi)	(bar)	(psi)			
PANACEA PRO-0038	3/8"	9.5	21.9	10	150	40	600	0.9	60	10
PANACEA PRO-0050	1/2"	12.7	25.1	10	150	40	600	0.9	60	10
PANACEA PRO-0063	5/8"	15.9	28.4	10	150	40	600	0.9	70	10
PANACEA PRO-0075	3/4"	19.1	31.4	10	150	40	600	0.9	85	10
PANACEA PRO-0100	1"	25.4	37.8	10	150	40	600	0.9	110	10
PANACEA PRO-0125	1-1/4"	31.8	44.2	10	150	40	600	0.9	140	10
PANACEA PRO-0150	1-1/2"	38.1	50.5	10	150	40	600	0.9	180	10
PANACEA PRO-0200	2"	50.8	63.2	10	150	40	600	0.9	250	10
PANACEA PRO-0250	2-1/2"	63.5	75.9	7	100	28	400	0.68	280	6
PANACEA PRO-0300	3"	76.2	88.6	4	60	16	240	0.68	390	6
PANACEA PRO-0400	4"	101.6	114.4	3	45	12	180	0.68	480	6

Dimensional tolerance is compliant with ISO 1307.

PANACEA TR

TRANSPARENT SUCTION AND DELIVERY SILICONE HOSE



APPLICATIONS

Widely used in industries with cleanliness requirements, including food, beverages, drinking water, cosmetics, medicines, pharmaceuticals, intermediates, semi-finished products, active pharmaceutical ingredients, etc. The hose is transparent, which is more helpful for observing the medium in the tube.

ADVANTAGES

Platinum-cured silicone ensure the purity and stability of the hose Suitable for CIP and SIP

TECHNICAL DESCRIPTION

Structure: High-purity platinum-cured silicone with stainless steel helix reinforcement

SS316 steel wire is available to customize

Color: Transparent

Temperature Range: -60°C (-76°F) to +180°C (+356°F)

* USP VI is available.
Contact our sales office for more information

STANDARDS



No.	Size (inch)	I.D. (mm)	O.D. (mm)	W.P.		B.P.		Vacuum (bar)	MBR (mm)	Length (m)
				(bar)	(psi)	(bar)	(psi)			
PANACEA TR-0038	3/8"	9.5	19.5	3	45	9	135	0.90	38	10
PANACEA TR-0050	1/2"	12.7	22.7	3	45	9	135	0.90	46	10
PANACEA TR-0063	5/8"	15.9	26.0	3	45	9	135	0.90	50	10
PANACEA TR-0075	3/4"	19.1	29.0	2	30	6	90	0.90	60	10
PANACEA TR-0100	1"	25.4	35.4	2	30	6	90	0.90	90	10
PANACEA TR-0125	1-1/4"	31.8	41.8	1.7	25	5	75	0.90	120	10
PANACEA TR-0150	1-1/2"	38.1	48.1	1.7	25	5	75	0.90	150	10
PANACEA TR-0200	2"	50.8	60.8	1.3	20	4	60	0.90	210	10
PANACEA TR-0250	2-1/2"	63.5	73.5	1.3	20	4	60	0.68	240	6
PANACEA TR-0300	3"	76.2	86.2	1	15	3	45	0.68	300	6
PANACEA TR-0400	4"	101.6	112.0	1	15	3	45	0.68	400	6

Dimensional tolerance is compliant with ISO 1307.

PANACEA FEP

FEP SILICONE SUCTION AND DELIVERY HOSE



APPLICATIONS

FEP inner tube silicone hose for suction and discharge of liquids in food, cosmetic and pharmaceutical industries.

ADVANTAGES

- FEP inner tube, has no adverse effect on the conveying material, and resistant to corrosive chemicals
- Inner tube friction coefficient is extremely low which can significantly reduce the residual medium
- Suitable for suction and delivery medium at high temperature and pressure applications
- Suitable for CIP and SIP

STANDARDS



TECHNICAL DESCRIPTION

Tube: White, smooth, FEP

Reinforcement: 4 layers of textiles with 304 stainless steel helix wire
SS316 steel wire is available to customize

Cover: Pharmaceutical grade platinum-cured silicone

Color: Semitransparent

Temperature Range: -30°C (-22°F) to +150°C (+302°F)

No.	Size (inch)	I.D. (mm)	O.D. (mm)	W.P.		B.P.		Vacuum (bar)	MBR (mm)	Length (m)
				(bar)	(psi)	(bar)	(psi)			
PANACEA FEP-0038	3/8"	9.5	21.9	10	150	40	600	0.90	60	10
PANACEA FEP-0050	1/2"	12.7	25.1	10	150	40	600	0.90	60	10
PANACEA FEP-0063	5/8"	15.9	28.4	10	150	40	600	0.90	70	10
PANACEA FEP-0075	3/4"	19.1	31.4	10	150	40	600	0.90	85	10
PANACEA FEP-0100	1"	25.4	37.8	10	150	40	600	0.90	110	10
PANACEA FEP-0125	1-1/4"	31.8	44.2	10	150	40	600	0.90	140	10
PANACEA FEP-0150	1-1/2"	38.1	50.5	10	150	40	600	0.90	180	10
PANACEA FEP-0200	2"	50.8	63.2	10	150	40	600	0.90	250	10
PANACEA FEP-0250	2-1/2"	63.5	75.9	7	100	28	400	0.68	280	6
PANACEA FEP-0300	3"	76.2	88.6	4	60	16	240	0.68	390	6
PANACEA FEP-0400	4"	101.6	114.4	3	45	12	180	0.68	480	6

Dimensional tolerance is compliant with ISO 1307.

PANACEA FVMQ

FVMQ SILICONE SUCTION AND DELIVERY HOSE



APPLICATIONS

FVMQ inner tube silicone hose, specially designed for suction and delivery of liquids or semi-liquids in the food, cosmetics, and chemical industries. Excellent resistance to fatty or greasy foods, ethanol, and alcoholic beverages.

ADVANTAGES

Resistance to water, oil, and alcohol
Suitable for CIP and SIP

TECHNICAL DESCRIPTION

Tube: White, smooth, FVMQ rubber

Reinforcement: 4 layers of textiles with 304 stainless steel helix wire
SS316 steel wire is available to customize

Cover: White, pharmaceutical grade platinum-cured silicone

Temperature Range: -40°C (-40°F) to +170°C (+338°F)

STANDARDS



No.	Size (inch)	I.D. (mm)	O.D. (mm)	W.P.		B.P.		Vacuum (bar)	MBR (mm)	Length (m)
				(bar)	(psi)	(bar)	(psi)			
PANACEA FVMQ-0050	1/2"	12.7	25.1	10	150	40	600	0.90	60	10
PANACEA FVMQ-0063	5/8"	15.9	28.4	10	150	40	600	0.90	70	10
PANACEA FVMQ-0075	3/4"	19.1	31.4	10	150	40	600	0.90	85	10
PANACEA FVMQ-0100	1"	25.4	37.8	10	150	40	600	0.90	110	10
PANACEA FVMQ-0125	1-1/4"	31.8	44.2	10	150	40	600	0.90	140	10
PANACEA FVMQ-0150	1-1/2"	38.1	50.5	10	150	40	600	0.90	180	10
PANACEA FVMQ-0200	2"	50.8	63.2	10	150	40	600	0.90	250	10
PANACEA FVMQ-0250	2-1/2"	63.5	75.9	7	100	28	400	0.90	280	6
PANACEA FVMQ-0300	3"	76.2	88.6	3	45	12	180	0.90	390	6
PANACEA FVMQ-0400	4"	101.6	114.4	2	30	8	120	0.9	480	6

Dimensional tolerance is compliant with ISO 1307.

HERA

BRIGHT SILICONE DELIVERY HOSE



APPLICATIONS

Extruded silicone hose for food, beverages, cosmetics, medicine, and pharmaceutical industries. Suitable for transporting liquids at medium pressure. Not recommended for vacuum application. Suitable for CIP and SIP cleaning

TECHNICAL DESCRIPTION

Structure: High purity platinum-cured silicone with polyester fiber reinforcement

Color: Transparent

Temperature Range: -40°C (-40°F) to +150°C (+302°F)

STANDARDS



No.	Size (inch)	I.D. (mm)	O.D. (mm)	W.P.		B.P.		MBR (mm)	Length (m)
				(bar)	(psi)	(bar)	(psi)		
HERA-0013	1/8"	3.2	9.0	13.0	190	39.0	570	50	20
HERA-0016	1/6"	4.2	10.0	11.0	160	33.0	480	60	20
HERA-0019	3/16"	4.8	10.0	10.0	145	30.0	435	70	20
HERA-0025	1/4"	6.4	13.2	9.0	130	27.0	390	80	20
HERA-0031	5/16"	7.9	14.3	8.0	116	24.0	348	90	20
HERA-0038	3/8"	9.5	16.5	10.0	145	21.0	435	100	20
HERA-0050	1/2"	12.7	20.1	6.0	87	18.0	261	130	20
HERA-0063	5/8"	15.9	25.0	5.0	73	15.0	219	150	20
HERA-0075	3/4"	19.1	28.2	4.5	66	13.5	198	180	20
HERA-0087	7/8"	22.2	31.3	4.0	58	12.0	174	200	20
HERA-0100	1"	25.4	35.6	3.5	51	10.5	153	220	20
HERA-0125	1-1/4"	31.8	43.8	3.0	44	9.0	132	250	20
HERA-0150	1-1/2"	38.1	49.5	2.5	36	7.5	108	240	10

Dimensional tolerance is compliant with ISO 1307.

HERA PRO

BRIGHT SILICONE DELIVERY HOSE PRO



APPLICATIONS

Extruded silicone hose, inner tube is compliant with USP Class VI. Suitable for food, beverages, cosmetics, medicine, and pharmaceutical industries. Suitable for transporting liquids at medium pressure. Not recommended for vacuum application. Suitable for CIP and SIP cleaning, Compliant with USP Class VI.

ADVANTAGES

Compliant with USP Class VI.
Suitable for CIP and SIP.

STANDARDS



TECHNICAL DESCRIPTION

Structure: High purity platinum-cured silicone with polyester fiber reinforcement

Color: Transparent

Temperature Range: -40°C (-40°F) to +150°C (+302°F)

No.	Size (inch)	I.D. (mm)	O.D. (mm)	W.P.		B.P.		MBR	Length
				(bar)	(psi)	(bar)	(psi)	(mm)	(m)
HERA PRO-0013	1/8"	3.2	9.0	113.0	190	39.0	570	50	20
HERA PRO-0016	1/6"	4.2	10.0	11.0	160	33.0	480	60	20
HERA PRO-0019	3/16"	4.8	10.0	10.0	145	30.0	435	70	20
HERA PRO-0025	1/4"	6.4	13.2	9.0	130	27.0	390	80	20
HERA PRO-0031	5/16"	7.9	14.3	8.0	116	24.0	348	90	20
HERA PRO-0038	3/8"	9.5	16.5	10.0	145	21.0	435	100	20
HERA PRO-0050	1/2"	12.7	20.1	6.0	87	18.0	261	130	20
HERA PRO-0063	5/8"	15.9	25.0	5.0	73	15.0	219	150	20
HERA PRO-0075	3/4"	19.1	28.2	4.5	66	13.5	198	180	20
HERA PRO-0087	7/8"	22.2	31.3	4.0	58	12.0	174	200	20
HERA PRO-0100	1"	25.4	35.6	3.5	51	10.5	153	220	20
HERA PRO-0125	1-1/4"	31.8	43.8	3.0	44	9.0	132	250	20
HERA PRO-0150	1-1/2"	38.1	49.5	2.5	36	7.5	108	240	10

Dimensional tolerance is compliant with ISO 1307.

PANACEA D

SILICONE DELIVERY HOSE



APPLICATIONS

Flexible silicone hose for food, beverages, cosmetics, medicine, and pharmaceutical industries. Suitable for transporting liquids at medium pressure. Not recommended for vacuum application. Suitable for CIP and SIP cleaning.

TECHNICAL DESCRIPTION

Tube: Smooth, platinum-cured silicone

Reinforcement: 4 layers of polyester textile

Cover: Semitransparent, platinum-cured silicone

Temperature Range: -50°C (-58°F) to +180°C (+356°F)

STANDARDS



No.	Size (inch)	I.D. (mm)	O.D. (mm)	W.P.		B.P.		Length (m)
				(bar)	(psi)	(bar)	(psi)	
PANACEA D-0100	1"	25.4	43.0	6.7	97	20.1	291	10
PANACEA D-0125	1-1/4"	31.8	41.0	6.3	91	18.9	273	10
PANACEA D-0150	1-1/2"	38.1	47.0	5.5	80	16.5	240	10
PANACEA D-0175	1-3/4"	44.5	54.0	5.0	73	15.0	219	10
PANACEA D-0200	2"	50.8	61.5	4.6	67	13.8	201	10
PANACEA D-0225	2-1/4"	57.2	66.0	4.3	62	12.9	186	6
PANACEA D-0250	2-1/2"	63.5	72.0	4.0	58	12.0	174	6
PANACEA D-0300	3"	76.2	85.0	3.5	51	10.5	153	6
PANACEA D-0350	3-1/2"	88.9	98.0	3.0	44	9.0	132	6
PANACEA D-0400	4"	101.6	111.0	2.7	39	8.1	117	6

Dimensional tolerance is compliant with ISO 1307.

PANACEA D PRO SILICONE DELIVERY HOSE PRO



APPLICATIONS

Flexible silicone hose for food, beverages, cosmetics, medicine, and pharmaceutical industries. Inner tube is compliant with USP Class VI. Suitable for transporting liquids at medium pressure. Not recommended for vacuum application. Suitable for CIP and SIP cleaning- Compliant with USP Class VI.

ADVANTAGES

Compliant with USP Class VI.
Suitable for CIP and SIP.

TECHNICAL DESCRIPTION

Tube: Smooth, platinum-cured silicone
Reinforcement: 4 layers of polyester textile
Cover: Semitransparent, platinum-cured silicone
Temperature Range: -50°C (-58°F) to +180°C (+356°F)

STANDARDS



No.	Size (inch)	I.D. (mm)	O.D. (mm)	W.P.		B.P.		Length (m)
				(bar)	(psi)	(bar)	(psi)	
PANACEA D-0100	1"	25.4	43.0	6.7	97	20.1	291	10
PANACEA D-0125	1-1/4"	31.8	41.0	6.3	91	18.9	273	10
PANACEA D-0150	1-1/2"	38.1	47.0	5.5	80	16.5	240	10
PANACEA D-0175	1-3/4"	44.5	54.0	5.0	73	15.0	219	10
PANACEA D-0200	2"	50.8	61.5	4.6	67	13.8	201	10
PANACEA D-0225	2-1/4"	57.2	66.0	4.3	62	12.9	186	6
PANACEA D-0250	2-1/2"	63.5	72.0	4.0	58	12.0	174	6
PANACEA D-0300	3"	76.2	85.0	3.5	51	10.5	153	6
PANACEA D-0350	3-1/2"	88.9	98.0	3.0	44	9.0	132	6
PANACEA D-0400	4"	101.6	111.0	2.7	39	8.1	117	6

Dimensional tolerance is compliant with ISO 1307.

TECHNICAL DATA

Chemical Compatibility Table

Media	Chemical Formula	Metals														Elastomers			Polymers											
		Aluminum	Brass	Carbon Steel	Ductile Iron / Cast Iron	316/316Ti/321 S.St	17-4PH	Alloy20	Monel	Hastelloy C®	Inconel 625	Titanium	Bronze	304 Stainless Steel	Duplex	Buna N (Nitrile)	EPDM/EPR	Viton	Flexible Graphite	Delrin®	Peek®	PVDF	Teflon® and Reinforced Teflon	PCTFE	UHMWPE®	Vespel®	PFA	KEL-F®		
Acetaldehyde	C ₂ H ₄ O	B	B	B	C	C	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	
Acetamine	HCl	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	
Acetate Solvents	-	A	A	D	D	B	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	
Acetic Acid (aerated)	C ₂ H ₄ O ₂	C	D	D	D	C	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	
Acetic Acid (air free)	C ₂ H ₄ O ₂	C	D	D	D	C	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	
Acetic Acid (crude)	C ₂ H ₄ O ₂	C	D	D	D	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	
Acetic Acid Glacial	C ₂ H ₄ O ₂	C	D	D	D	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	
Acetic Acid (pure)	C ₂ H ₄ O ₂	C	D	D	D	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	
Acetic Acid 10%	C ₂ H ₄ O ₂	C	D	D	D	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	
Acetic Acid 80%	C ₂ H ₄ O ₂	C	D	D	D	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	
Acetic Acid Vapors	-	B	D	D	D	C	C	C	B	C	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	
Acetic Anhydride	C ₄ H ₆ O ₃	C	D	D	D	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	
Acetone	C ₃ H ₆ O	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Other Ketones	RC(=O)R	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Acetyl Chloride	CH ₃ COCl	C	B	A	A	C	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Acetylene	C ₂ H ₂	A	C	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Acid Furnes	-	B	D	D	D	D	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B
Acrylonitrile	C ₃ H ₃ N	B	A	A	A	C	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Air	-	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Alcohol Amyl	C ₅ H ₁₁ OH	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B
Alcohol Butyl	C ₄ H ₉ OH	A	B	B	B	C	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Alcohol Diacetone	CH ₃ CO(CH ₂) ₂ (OH)(CH ₃) ₂	A	B	B	B	B	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Alcohol Ethyl	C ₂ H ₅ O	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B
Alcohol Fatty	-	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B
Alcohol Isopropyl	C ₃ H ₈ O	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B
Alcohol Methyl	CH ₄ O	C	B	B	B	B	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Alcohol, Propyl	C ₃ H ₈ O	B	B	A	A	B	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Alumunia	-	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Aluminum Acetate	Al(C ₂ H ₃ O ₂) ₃	C	C	C	C	C	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B
Aluminum Chloride (dry)	AlCl ₃	C	D	D	D	D	C	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B
Aluminum Chloride Solution	-	B	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D

Ratings: A - Excellent B - Good C - Poor D - Do not use Blank - No Information

TECHNICAL DATA

Chemical Compatibility Table

Media	Chemical Formula	Metals														Elastomers				Polymers								
		Aluminum	Brass	Carbon Steel	Ductile Iron / Cast Iron	316/316Ti/321 S.St	17-4PH	Alloy20	Monel	Hastelloy C®	Inconel 625	Titanium	Bronze	304 Stainless Steel	Duplex	Buna N (Nitrile)	EPDM/EPR	Viton	Flexible Graphite	Delrin®	Peek®	PVDF	Teflon® and Reinforced Teflon	PCTFE	UHMWPE®	Vespel®	PFA	KEL-F®
Amyl Chloride	C ₅ H ₁₁ Cl	B	B	A	B	B	B	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Aniline	C ₆ H ₇ N	C	D	C	C	C	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Aniline Dyes	-	C	C	C	C	C	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Apple Juice	-	B	C	D	D	D	B	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Acqua Regia (Strong Acid)	-	D	D	D	D	D	C	C	B	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Aromatic Solvents	-	A	A	C	B	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Arsenic Acid	A ₅ H ₃ O ₄	D	C	D	D	B	B	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Asphalt Emulsion	-	C	B	B	B	B	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Asphalt Liquid	-	C	B	B	B	B	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Barium Carbonate	CBaO ₃	C	B	B	B	B	B	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Barium Chloride	BaCl ₂	D	B	C	C	C	B	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Barium Cyanide	Ba(CN) ₂	D	C	C	C	B	A	B	C	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Barium Hydrate	BaH ₂ O ₂	D	D	C	C	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Barium Hydroxide	Ba(OH) ₂	D	D	C	C	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Barium Nitrate	Ba(NO ₃) ₂	B	D	A	A	A	B	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Barium Sulfate	BaSO ₄	C	B	B	C	B	C	B	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Barium Sulfide	BaS	D	C	C	C	C	B	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Beer	-	A	B	C	D	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Beet Sugar Liquors	-	A	B	B	B	B	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Benzaldehyde	C ₇ H ₆ O	B	B	B	B	C	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Benzene (Benzol)	C ₆ H ₆	B	A	B	B	B	B	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Benzoic Acid	C ₇ H ₆ O ₂	B	C	D	D	D	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Beryllium Sulfate	BeO ₄ S	B	B	C	B	B	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Bleaching Powder Wet	-	B	B	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C
Blood (meat juices)	-	B	B	B	D	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Borax (Sodium Borate)	Na ₂ B ₄ O ₇ ·10H ₂ O	C	B	C	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Bordeaux Mixture	-	C	A	C	C	C	B	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Borax Liquors	-	C	A	C	C	C	B	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Boric Acid	BH ₃ O ₃	C	C	D	D	C	C	C	B	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Brake Fluid	-	B	B	B	A	B	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Brines (saturated)	-	C	B	B	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C

Ratings: A - Excellent B - Good C - Poor D - Do not use Blank - No Information

TECHNICAL DATA

Chemical Compatibility Table

Media	Chemical Formula	Metals														Elastomers						Polymers							
		Aluminum	Brass	Carbon Steel	Ductile Iron / Cast Iron	316/316Ti/321 S.St	17-4PH	Alloy20	Monel	Hastelloy C®	Inconel 625	Titanium	Bronze	304 Stainless Steel	Duplex	Buna N (Nitrile)	EPDM/EPR	Viton	Flexible Graphite	Delrin®	Peek®	PVDF	Teflon® and Reinforced Teflon	PCTFE	UHMWPE®	Vespel®	PFA	KEL-F®	
Cresol	C ₇ H ₈ O	A	C	A	C	B	A	A	B	B	B	B	A	A	D	D	D	A	D	D	D	D	D	D	D	D	D	D	B
Creosote Oil	-	B	B	B	B	B	A	A	A	B	B	A	A	A	C	D	D	A	D	D	A	A	A	A	A	A	A	A	A
Cresylic Acid	C ₇ H ₈ O	C	B	C	D	B	A	A	A	A	A	A	A	A	A	D	D	B	A	D	A	C	A	A	A	A	A	A	A
Crude Oil, sour	-	A	C	C	C	C	B	A	A	A	A	A	A	A	D	D	A	A	A	A	A	A	A	A	A	A	A	A	A
Crude Oil, sweet	-	A	B	A	B	A	B	A	A	A	A	A	A	A	B	D	A	A	A	A	A	A	A	A	A	A	A	A	A
Cupric Nitrate	CuN ₂ O ₆	D																											
Cutting Oils, Water Emulsions	-	A	A	B	B	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Guanide Plating Solution	-	D	D			D	B	D	B	D	A																		
Cyclohexane	C ₆ H ₁₂	A	A	A	B	A	A	A	A	A	A	A	A	A	C	D	A	A	A	A	A	A	A	A	A	A	A	A	A
Cyclohexanone	C ₆ H ₁₀ O	A	B	B	B	A	A	A	A	A	B				D	B	D	A	A	A	A	C	A	A	A	A	A	A	A
Detergents, Synthetic	-	B	B	A	B	B	B	A	A	A	A	A	A	A	B	B	A	A	A	A	A	A	A	A	A	A	A	A	A
Dextrin	C ₁₈ H ₃₂ O ₁₆	B	A	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B
Dichloroethane	C ₂ H ₄ Cl ₂	B	B		C	A	A	B	B	B	B	B	B	B	D	D	D	B	A	B	A	A	A	A	A	A	A	A	A
Dichloroethyl Ether	C ₄ H ₈ Cl ₂ O	B	B	A	B	B	B	B	B	B	B	B	B	B	D	C	D	C	A	C	A	C	A	A	A	A	A	A	D
Diesel Oil Fuels	-	A	A	A	A	A	A	A	A	A	A	A	A	A	C	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Diethylamine	C ₄ H ₁₁ N	B	C	C	B	A	A	A	A	A	B	B	B	B	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Diethyl Benzene	-																												
Diethylene Glycol	C ₄ H ₁₀ O ₃	B	B	A	A	A	A	B	B	B	B	B	B	B	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Diethyl Sulfate	(C ₂ H ₅) ₂ SO ₄	A	B	A	B	B	B	B	B	B	B	B	B	B	C	C	B	B	A	A	A	A	A	A	A	A	A	A	A
Dimethyl Formamide	C ₃ H ₇ NO	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	D
Dimethyl Phthalate	C ₁₀ H ₁₀ O ₄																												
Dioxane	C ₄ H ₈ O ₂	B	A	A	B	B	B	B	B	B	B	B	B	B	D	C	D	A	C	A	C	A	A	A	A	A	A	A	A
Dipentane (Pinene)	C ₁₀ H ₁₆	A	A		A	A	A	A	A	A																			
Disodium Phosphate	HNa ₂ O ₄ P	B	B		B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B
Dowtherm	C ₂ H ₂ O	A	A	B	B	B	B	B	B	B	B	B	B	B	D	D	A	A	A	A	A	A	A	A	A	A	A	A	A
Drilling Mud	-	B	B	A	A	A	A	A	A	A	A	A	A	A	B	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Dry Cleaning Fluids	-	A	C	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B
Drying Oil	-	C	C	C	C	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B
Enamel	-																												
Epsom Salts	MgO ₄ S	B	A	C	A	A	A	A	B	B	B	B	B	B	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Ethane	C ₂ H ₆	A	B	B	A	A	A	A	A	A	A	A	A	A	B	B	A	A	A	B	B	B	B	B	B	B	B	B	B

Ratings: A - Excellent B - Good C - Poor D - Do not use Blank - No Information

TECHNICAL DATA

Chemical Compatibility Table

Media	Chemical Formula	Metals														Elastomers					Polymers							
		Aluminum	Brass	Carbon Steel	Ductile Iron / Cast Iron	316/316Ti/321 S.St	17-4PH	Alloy20	Monel	Hastelloy C [®]	Inconel 625	Titanium	Bronze	304 Stainless Steel	Duplex	Buna N (Nitrile)	EPDM/EPR	Viton	Flexible Graphite	Delrin [®]	Peek [®]	PVDF	Teflon [®] and Reinforced Teflon	PCTFE	UHMWPE [®]	Vespel [®]	PFA	KEL-F [®]
Freon Gas (dry)	-	B	A	B	B	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Freon 11, MF, 112, BF	CCl3F	D	A	B	C	A	A	A	A	A	A	A	A	A	A	C	C	C	A	D	D	A	A	A	A	A	A	A
Freon 12, 32, 114, 115	CCl2F2	B	A	B	B	A	A	A	A	A	A	A	A	A	A	B	B	B	B	A	A	C	A	A	A	A	A	A
Freon 21, 31	CHCl2F	B	A	B	C	A	A	A	A	A	A	A	A	A	A	D	D	D	D	A	A	A	A	A	A	A	A	A
Freon 22	CHClF2	D	A	B	C	A	A	A	A	A	A	A	A	A	A	D	D	D	D	A	A	A	A	A	A	A	A	A
Freon 113, TF	C2Cl3F3	D	A	B	C	A	A	A	A	A	A	A	A	A	A	B	D	D	D	A	A	B	A	A	A	A	A	A
Freon (wet)	-	D	B	D	D	A	A	A	A	A	A	A	A	A	A	B	B	B	B	A	A	B	A	A	A	A	A	A
Fruit Juices	-	B	D	D	D	A	A	A	A	A	A	A	A	A	A	A	A	A	A	C	A	A	D	A	A	A	A	A
Fuel Oil	-	B	B	A	A	B	A	A	A	A	A	A	A	A	A	A	D	A	A	A	A	A	B	A	A	A	A	A
Fumaric Acid	C4H4O4															B	B	A	A	A	A	A	A	A	A	A	A	A
Furfural	C5H4O2	A	A	A	B	A	A	A	A	A	A	A	A	A	A	D	C	D	A	B	A	D	A	A	A	A	A	D
Gallic Acid 5%	C7H6O5	B	C	D	D	B	B	B	B	A	A	A	A	A	A	B	C	A	A	B	A	B	A	A	A	A	A	A
Gas, Manufactured	-	C	B	B	B	B	B	B	B	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Gas, Natural	-	B	B	B	B	B	B	B	B	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Gas, Odorizers	-	A	A	B	B	B	B	B	B	A	A	A	A	A	A	B	D	A	A	A	A	A	A	A	A	A	A	A
Gasoline (aviation)	-	A	A	A	A	B	A	A	A	A	A	A	A	A	A	C	D	A	A	A	A	A	A	A	A	A	A	A
Gasoline (leaded)	-	A	A	A	A	A	A	A	A	A	A	A	A	A	A	C	D	A	A	A	A	A	A	A	A	A	A	A
Gasoline (motor)	-	A	A	A	A	B	A	A	A	A	A	A	A	A	A	C	D	A	A	A	A	A	A	A	A	A	A	A
Gasoline (refined)	C12H13N5O6S2	A	B	B	B	A	A	A	A	A	A	A	A	A	A	C	D	A	A	A	A	A	A	A	A	A	A	A
Gasoline (sour)	-	A	B	B	B	A	A	A	A	A	A	A	A	A	A	C	D	A	A	A	A	A	A	A	A	A	A	A
Gasoline (unleaded)	-	A	A	A	A	B	A	A	A	A	A	A	A	A	A	C	D	A	A	A	A	A	A	A	A	A	A	A
Gelatine	-	A	C	D	D	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Glucose	C6H12O6	A	A	A	B	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Glue	-	A	A	A	A	B	B	B	B	A	A	A	A	A	A	A	B	B	B	A	A	A	A	A	A	A	A	A
Glycerine (Glycerol)	C3H8O3	A	B	B	B	B	B	B	B	A	A	A	A	A	A	C	D	A	A	A	A	A	A	A	A	A	A	A
Glycol Amine	-	C	D	A	B	B	A	A	A	A	A	A	A	A	A	C	D	A	A	C	C	A	A	A	A	A	A	A
Glycol	C2H6O2	B	B	B	B	B	B	B	B	A	A	A	A	A	A	B	B	B	B	A	A	A	A	A	A	A	A	A
Graphite	CH4	B	B	B	C	B	C	B	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Grease	-	B	B	B	A	A	A	A	A	A	A	A	A	A	A	A	D	A	A	B	A	A	A	A	A	A	A	A
Helium Gas	He	B	B	B	B	A	A	A	A	A	A	A	A	A	A	B	B	B	B	A	A	A	A	A	A	A	A	A
Heptane	C7H16	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	D	A	A	A	A	A	A	A	A	A	A	A

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TECHNICAL DATA

Chemical Compatibility Table

Media	Chemical Formula	Metals														Elastomers				Polymers									
		Aluminum	Brass	Carbon Steel	Ductile Iron / Cast Iron	316/316Ti/321 S.St	17-4PH	Alloy20	Monel	Hastelloy C°	Inconel 625	Titanium	Bronze	304 Stainless Steel	Duplex	Buna N (Nitrile)	EPDM/EPR	Viton	Flexible Graphite	Delrin®	Peek®	PVDF	Teflon® and Reinforced Teflon	PCTFE	UHMWPE®	Vespel®	PFA	KEL-F®	
Hexane	C ₆ H ₁₄	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Hexanol Tertiary	-	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Hydraulic Oil Petr. Base	-	A	B	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Hydrazine	H ₄ N ₂	C	D	C	D	B	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Hydrocyanic Acid	C ₂ H ₃ N	C	D	D	D	C	A	B	A	B	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Hydrofluoric Acid 20%	HF	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D
Hydrofluoric Acid 50%	HF	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D
Hydrofluoric Acid 75%	HF	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D
Hydrofluoric Acid 100%	HF	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D
Hydrofluosilicic Acid	H ₂ SiF ₆	D	B	D	D	D	C	B	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D
Hydrogen Gas (cold)	H	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Hydrogen Gas (hot)	H	C	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B
Hydrogen Peroxide Conc.	H ₂ O ₂	C	D	D	D	D	B	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Hydrogen Peroxide, Dilute	H ₂ O ₂	C	D	D	D	D	B	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Hydrogen Sulfide (dry)	H ₂ S	C	C	C	C	C	C	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B
Hydrogen Sulfide (wet)	H ₂ S	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C
Hypo (Sodium Thiosulfate)	Na ₂ S ₂ O ₃	B	C	C	D	D	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B
Illuminating Gas	-	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Ink-Newsprint	C ₁₁ H ₁₆ O ₃ P ⁺	C	C	D	D	D	A	B	A	B	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Iodoform	CHI ₃	C	C	C	B	C	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Iso-Butane	C ₄ H ₁₀	A	A	A	B	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Iso-Octane	C ₈ H ₁₈	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Isopropyl Acetate	C ₅ H ₁₀ O ₂	B	A	B	C	B	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Isopropyl Ether	C ₆ H ₁₄ O	A	A	A	A	B	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
JP-4 Fuel	-	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
JP-5 Fuel	-	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
JP-6 Fuel	-	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Kerosene	-	B	A	A	B	B	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Ketchup	-	C	C	C	C	C	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Ketones	CH ₂ O	B	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Laquer (and Solvent)	-	A	C	C	D	C	C	B	B	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A

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		Aluminum	Brass	Carbon Steel	Ductile Iron / Cast Iron	316/316Ti/321 S.St	17-4PH	Alloy20	Monel	Hastelloy C®	Inconel 625	Titanium	Bronze	304 Stainless Steel	Duplex	Buna N (Nitrile)	EPDM/EPR	Viton	Flexible Graphite	Delrin®	Peek®	PVDF	Teflon® and Reinforced Teflon	PCTFE	UHMWPE®	Vespel®	PFA	KEL-F®
Lactic Acid Concentrated (cold)	C ₃ H ₆ O ₃	C	D	D	D	A	A	A	A	B	A	D	B	B	B	B	B	A	A	C	A	B	A	A	A	A	A	B
Lactic Acid Concentrated (hot)	C ₃ H ₆ O ₃	C	D	D	D	B	B	B	B	B	A	D	B	B	C	C	B	B	A	C	A	C	A	A	A	A	A	B
Lactic Acid Dilute (cold)	C ₃ H ₆ O ₃	B	D	D	D	A	A	A	A	A	A	C	B	B	C	A	A	A	B	A	B	B	A	A	A	A	A	B
Lactic Acid Dilute (hot)	C ₃ H ₆ O ₃	B	D	D	D	A	A	A	A	B	A	C	B	B	C	C	B	A	B	A	B	A	C	A	A	A	A	B
Lactose	C ₁₂ H ₂₂ O ₁₁	B	B		C	B	B	B	B	B	B	A	B	B	B	B	B	B	A	A	A	A	A	A	A	A	A	
Lard	-	A	B		A	A	A	A	A	A	A	A	A	A	B	C	A	A	A	A	A	A	A	A	A	A	A	
Lard Oil	-	B	B	C	C	B	B	B	B	B	B	C	A	A	A	B	A	A	A	A	A	A	A	A	A	A	A	
Lead Acetate	C ₄ H ₆ O ₄ Pb	D	C	C	D	B	B	B	B	B	B	A	C	B	A	B	D	A	B	A	A	A	A	A	A	A	A	
Lead Sulfate	O ₄ PbS	D	C	C	D	B	B	B	B	B	B	B	C	B	B	B	B	B	A	A	A	A	A	A	A	A	A	
Lecithin	C ₆₄ H ₁₀₄ N ₈ O ₈ P ₄	B	C	C	C	B	B	B	B	B	B	A	A	A	D	D	D	D	A	A	A	A	A	A	A	A	A	
Linoleic Acid	C ₁₈ H ₃₂ O ₂	B	C	C	C	B	B	B	B	B	B	C	B	B	B	D	D	B	A	B	A	A	A	A	A	A	A	
Linseed Oil	-	A	A	A	A	A	A	A	A	A	A	A	A	A	A	D	A	A	A	A	A	A	A	A	A	A	A	
Lithium Chloride	CLi	C	B	C	B	B	B	B	B	B	B	B	A	A	B	B	B	B	A	A	A	A	A	A	A	A	A	
Liquid Petroleum Gas (LPG)	C ₃ H ₇ NO ₂	A	A	A	A	B	B	B	B	B	B	A	A	A	A	D	A	A	A	A	A	A	A	A	A	A	A	
Lubricating Oil Petroleum Base	C ₆ H ₆	A	A	A	A	A	A	A	A	A	A	A	A	A	A	D	A	A	A	A	A	A	A	A	A	A	A	
Ludox	O ₂ Si	C	D	A	B	B	B	B	B	B	B	C	A	A	B	B	B	B	B	B	B	B	B	B	B	B	B	
Magnesium Bisulfate	H ₁₂ MgO ₄ S ₄	D	B	B	B	A	A	A	A	A	A	A	A	A	B	B	B	B	A	A	A	A	A	A	A	A	A	
Magnesium Carbonate	-	C	D	D	D	B	B	B	B	B	B																	
Magnesium Chloride	CMgO ₃	A	B	B	B	B	B	B	B	B	B	A	B	B	B	B	B	B	A	A	A	A	A	A	A	A	A	
Magnesium Hydroxide	Cl ₂ Mg	D	C	C	D	C	D	C	D	C	B	A	B	D	A	A	A	A	A	A	A	A	A	A	A	A	A	
Magnesium Hydroxide (hot)	H ₂ MgO ₂	D	B	B	B	B	B	B	B	B	B	A	B	B	A	A	A	A	A	A	A	A	A	A	A	A	A	
Magnesium Nitrate	H ₂ MgO ₂	D	C	C	B	B	B	B	B	B	B	A	B	B	B	B	B	B	A	A	A	A	A	A	A	A	A	
Magnesium Sulfate	MgN ₂ O ₆	B	C	B	B	B	B	B	B	B	B	A	B	A	A	A	A	A	A	A	A	A	A	A	A	A	A	
Maleic Acid	MgO ₄ S	B	B	B	B	B	B	B	B	B	B	A	B	B	B	B	B	B	A	A	A	A	A	A	A	A	A	
Maleic Anhydride	C ₄ H ₄ O ₄	B	B	C	C	B	B	B	B	B	B	A	B	B	B	B	B	B	A	A	A	A	A	A	A	A	A	
Malic Acid	C ₄ H ₆ O ₅	B	B	D	D	B	B	B	B	B	B	A	B	B	A	A	A	A	A	A	A	A	A	A	A	A	A	
Malt Beverages	-					A						B	A															
Manganese Carbonate	-	B				B						A																
Manganese Sulfate	MnO ₄ S	B	D	B	D	A	A	B	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	
Mayonnaise	-	D	D	D	D	A	A	B	A	B	A	D	B	B	A	A	A	A	A	A	A	A	A	A	A	A	A	

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TECHNICAL DATA

Chemical Compatibility Table

Media	Chemical Formula	Metals														Elastomers						Polymers						
		Aluminum	Brass	Carbon Steel	Ductile Iron / Cast Iron	316/316Ti/321 S.St	17-4PH	Alloy20	Monel	Hastelloy C®	Inconel 625	Titanium	Bronze	304 Stainless Steel	Duplex	Buna N (Nitrile)	EPDM/EPR	Viton	Flexible Graphite	Delrin®	Peek®	PVDF	Teflon® and Reinforced Teflon	PCTFE	UHMWPE®	Vespel®	PFA	KEL-F®
Meat Juices	-	B	D			A	C	C	A								B	A	A	C	A	A	A	A				A
Melamine Resins	C ₃ H ₆ N ₆		D			D											B	A	A	C	A	A	A	A				
Methanol	CH ₄ O	A	A	A	A	A	A	A	A								B	A	A	A	A	A	A	A				
Mercuric Chloride	Cl ₂ Hg	D	D	D	D	D	D	C	D	B	B	A	A	A	A	A	A	A	C	B	A	A	A	A				B
Mercuric Cyanide	C ₂ HgN ₂	D	D	D	D	B	C	A	D	A	D	A	A	A	A	A	A	B	A	A	B	A	A	B				D
Mercurous Nitrate	HgNO ₃	D	D	D	D	D	A	A	A	D	A	A	A	A	A	A	D	A	A	C	A	B	A	A				
Mercury	Hg	C	D	A	A	A	A	A	A	B	A	A	A	A	A	A	A	A	C	A	A	A	A	A				A
Methane	CH ₄	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	B	A	A	A	A				A
Methyl Acetate	C ₃ H ₆ O ₂	A	A	B	B	A	A	A	A	A	A	A	A	A	A	A	B	A	A	A	A	A	A	A				A
Methyl Acetone	C ₄ H ₈ O	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A				
Methyl Amine	CH ₅ N	B	C	B	B	A	A	A	C	B	B	A	A	A	A	D	A	D	D	A	A	A	A					
Methyl Bromide 100%	CH ₃ Br	C	C	A	D	B	B	B	B	B	B	D	B	B	B	B	B	A	A	D	B	A	A					
Methyl Cellosolve	C ₃ H ₈ O ₂	B	A	C	B	A	A	A	A	A	A	A	A	A	A	A	C	B	D	A	D	A	A					
Methyl Cellulose	-																											
Methyl Chloride	CH ₃ Cl	D	C	A	B	A	A	A	A	A	A	A	A	A	A	A	A	B	A	A	C	A	A					B
Methyl Ethyl Ketone	C ₄ H ₈ O	B	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	B	B	A					B
Methylene Chloride	CH ₂ Cl ₂	C	B	B	B	A	A	A	A	A	A	A	A	A	A	B	B	B	A	B	A	C	A					A
Methyl Formate	C ₂ H ₄ O ₂	B		C	B	A	A	A	A	A	A	A	A	A	A	A	D	B	D	A	A	A	A					
Methyl Isobutyle Ketone	C ₆ H ₁₂ O	B			B	A	A	A	A	A	A	A	A	A	A	A	C	D	A	C	B	D	A					A
Milk & Milk Products	-	C	C	C	D	B	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A					A
Mineral Oils	-	A	A	A	B	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A					A
Mineral Spirits	-	A	B	B	B	B	B	A	B	B	B	A	A	A	A	A	A	A	A	A	A	A	A					A
Mixed Acids (cold)	-	D	D	C	C	C	B	B	B	C																		
Molasses, crude	-	B	B	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	C	A					A
Molasses, Edible	-	A	B	A	C	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	B					A
Molybdic Acid	H ₂ MoO ₄																											
Monochloro Benzene (dry)	C ₆ H ₅ Cl	B		B	A	A	A	A	A	A	A	A	A	A	A	A	B											
Morphine	C ₁₇ H ₁₉ NO ₃	B	B	B	B	B	A	A	A	A	A	A	A	A	A	A												
Mustard	C ₄ H ₈ Cl ₂ S	B	A	B	B	B	A	A	A	A	A	A	A	A	A	A	A	A	A	A	C	A						
Naptha	-	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A					A
Napthalene	C ₁₀ H ₈	A	B	A	B	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	B	A	A					A

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TECHNICAL DATA

Chemical Compatibility Table

Media	Chemical Formula	Metals														Elastomers					Polymers							
		Aluminum	Brass	Carbon Steel	Ductile Iron / Cast Iron	316/316Ti/321 S.St	17-4PH	Alloy20	Monel	Hastelloy C®	Inconel 625	Titanium	Bronze	304 Stainless Steel	Duplex	Buna N (Nitrile)	EPDM/EPR	Viton	Flexible Graphite	Delrin®	Peek®	PVDF	Teflon® and Reinforced Teflon	PCTFE	UHMWPE®	Vespel®	PFA	KEL-F®
Natural Gas, Sour	-	B	A	A	B	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Nickel Ammonium Sulfate	H ₈ N ₂ NI ₂ O ₈ S ₂	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D
Nickel Chloride	Cl ₂ NI	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D
Nickel Nitrate	N ₂ NI ₂ O ₆	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D
Nickel Sulfate	NI ₂ O ₄ S	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D
Nicotinic Acid	C ₆ H ₅ NO ₂	A	A	C	C	A	A	A	A	A	A	B	A	B	A	B	A	A	A	A	A	A	A	A	A	A	A	A
Nitric Acid 10%	HNO ₃	C	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D
Nitric Acid 30%	HNO ₃	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D
Nitric Acid 80%	HNO ₃	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D
Nitric Acid 100%	HNO ₃	B	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D
Nitric Acid Anhydrous	-	B	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D
Nitrobenzene	C ₆ H ₅ NO ₂	B	D	A	A	B	A	A	B	A	A	B	A	B	A	B	A	A	A	A	A	A	A	A	A	A	A	A
Nitrogen	N ₂	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Nitrous Acid 10%	HNO ₂	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D
Nitrous Gases	-	B	D	B	B	C	A	A	A	A	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D
Nitrous Oxide	N ₂ O	B	B	B	B	C	B	C	B	B	B	D	B	D	B	D	B	D	B	D	B	D	B	D	B	D	B	D
Oils&Fats	-	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B
Oils&Animal	-	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Oils, Petroleum (refined)	C ₆ H ₆	A	B	A	A	B	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Oils, Petroleum (sour)	C ₆ H ₆	A	C	B	C	B	C	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Oils, Water Mixture	-	A	A	B	B	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Olaic Acid	-	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B
Oleic Acid	C ₁₈ H ₃₄ O ₂	B	D	C	C	B	A	A	A	A	A	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B
Oleum	H ₂ O ₄ S	C	C	C	B	D	B	B	B	B	C	B	C	B	B	D	D	D	D	D	D	D	D	D	D	D	D	D
Oleum Spirits	-	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D
Olive Oil	-	A	B	B	B	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Oxalic Acid	C ₂ H ₂ O ₄	C	C	C	C	D	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B
Oxygen	O ₂	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Ozone (dry)	O ₃	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Ozone (wet)	O ₃	B	B	B	B	C	C	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Paints & Solvents	-	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A

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TECHNICAL DATA

Chemical Compatibility Table

Media	Chemical Formula	Metals														Elastomers					Polymers							
		Aluminum	Brass	Carbon Steel	Ductile Iron / Cast Iron	316/316Ti/321 S.St	17-4PH	Alloy20	Monel	Hastelloy C®	Inconel 625	Titanium	Bronze	304 Stainless Steel	Duplex	Buna N (Nitrile)	EPDM/EPR	Viton	Flexible Graphite	Delrin®	Peek®	PVDF	Teflon® and Reinforced Teflon	PCTFE	UHMWPE®	Vespel®	PFA	KEL-F®
Palmitic Acid	C ₁₆ H ₃₂ O ₂	B	C	C	C	C	A	A	A	A	A	A	A	A	A	B	B	B	A	A	A	A	A	A	A	A	A	A
Palm Oil	-	A	B	C	C	B	A	A	A	A	A	A	A	A	A	B	D	A	A	D	A	A	A	A	A	A	A	A
Paper Pulp	-	C	B		B	A	A	A	B							B	B	B	A	A	A	A	A	A	A	A	A	A
Paraffin	C _n H _{2n+2}	A	A	B	B	A	A	A	A	A	A	A	A	A	A	A	D	A	A	A	A	A	A	A	A	A	A	A
Paraformaldehyde	CH ₂ O	B	B	B	B	B	B	B	B	B	B	B	B	B	B	C												
Paraldehyde	C ₆ H ₁₂ O ₃					B										B	D		A	A	A	A	A	A	A	A	A	A
Pentane	C ₅ H ₁₂	A	A	B	B	B	A	A	A	A	A	A	A	A	A	D	A	A	A	B	A	A	A	A	A	A	A	A
Perchloroethylene (dry)	C ₂ Cl ₄	B	C	B	B	C	B	A	A	A	A	A	A	A	A	D	D	A	A	B	A	A	A	A	A	A	A	A
Petrolatum (Vaseline Petr. Jelly)	-	B	B	C	C	B	A	A	A	A	A	A	A	A	A	A	A	A	A	B	A	A	A	A	A	A	A	A
Phenol	C ₆ H ₆ O	A	D	C	D	A	A	A	A	A	A	A	A	A	A	D	B	B	A	C	D	B	A	A	A	A	A	B
Phosphate Ester 10%	-	C	D	A	C	A	A	A	A	A	A	A	A	A	A	D	A	A	A	A	A	A	A	A	A	A	A	A
Phosphate Acid 10%	-	C	D	D	D	C	B	B	D	D						B	B	A	A	D	A	A	A	A	A	A	A	A
Phosphoric Acid 50% (cold)	H ₃ O ₄ P	D	D	D	D	C	B	B	D	B						B	B	A	A	D	A	B	A	A	A	A	A	A
Phosphoric Acid 50% (hot)	H ₃ O ₄ P	D	D	D	D	C	B	B	D	B						B	B	A	A	D	A	B	A	A	A	A	A	A
Phosphoric Acid 85% (cold)	H ₃ O ₄ P	D	D	D	D	C	B	B	D	B						B	B	A	A	D	A	B	A	A	A	A	A	A
Phosphoric Acid 85% (hot)	H ₃ O ₄ P	D	D	D	D	C	B	B	D	B						B	B	A	A	D	A	B	A	A	A	A	A	A
Phosphoric Anhydride	P ₂ O ₅	C		D	D	A	B	A	A	A	D	C	B	D	D	D	D	A	A	D	A	D	B	B	A	A	A	A
Phosphorus Trichloride	PCl ₃	C		B	C	A	A	A	A	B						D	B	B	A	D	A	D	A	D	A	A	A	A
Phthalic Acid	C ₈ H ₆ O ₄	C	B	D	C	B	A	A	A	B	A	A	A	A	A	D	B	B	A	D	A	D	A	D	A	A	A	A
Phthalic Anhydride	C ₈ H ₄ O ₃	B	B	D	C	B	A	B	A	A	A	B	A	A	A	D	B	B	A	C	A	C	A	B	A	A	A	A
Picric Acid	C ₆ H ₃ NO ₇	C	D	D	D	B	B	D	A	B						A	C	B	A	A	A	B	A	B	A	A	A	A
Pineapple Juice	-	A	C	C	C	A	A	A	A	A	A	A	A	A	A	A	D	A	A	A	A	A	A	A	A	A	A	A
Pine Oil	-	B	B	B	B	A	A	A	A	A	A	A	A	A	A	A	D	A	A	D	A	A	A	A	A	A	A	A
Pitch (Bitumen)	C ₆ H ₆					A	A	A	A	A	A	A	A	A	A	C	D		A	A	A	A	A	A	A	A	A	A
Polysulfide	-	C	D		B	B	A	A	B							B	B	B	C									
Polyvinyl Acetate	C ₆ H ₁₂ O ₂	B	B	C	B	B	B	B	B	A						B	B		A	A	A	A	A	A	A	A	A	A
Polyvinyl Chloride	C ₂ H ₃ Cl	B	D		B	B	B	B	B	A						B	B		A	A	A	A	A	A	A	A	A	A
Potassium Bicarbonate	CHK ₃ O ₃	C		A	D	A	B	A	B	B						A	C	B										D
Potassium Bichromate	Cr ₂ K ₂ O ₇	B	B	B	B	A	A	A	A	A						B	B		A	A	A	B	A	B	A	A	A	A
Potassium Bisulfate	HKO ₄ S	B		C	C	C	A	A	C							A	B		A	A	A	A	A	A	A	A	A	A
Potassium Bisulfite	HKO ₃ S	C	C	D	D	B	B	D								A	B		A	A	A	A	A	A	A	A	A	A

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Potassium Bromide	BrK	C	C	C	D	A	B	B	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Potassium Carbonate	K ₂ CO ₃	C	B	B	B	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Potassium Chlorate	KClO ₃	B	B	B	B	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Potassium Chloride	KCl	D	C	C	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B
Potassium Chromate	K ₂ CrO ₄	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B
Potassium Cyanide	KCN	D	D	D	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B
Potassium Dichromate	K ₂ Cr ₂ O ₇	B	D	C	C	C	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Potassium Ferricyanide	K ₃ Fe(CN) ₆	C	D	C	C	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B
Potassium Ferrocyanide	K ₄ Fe(CN) ₆	C	C	C	C	B	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Potassium Hydroxide Dilute (cold)	HKO	D	D	D	D	B	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Potassium Hydroxide to 70% (cold)	HKO	D	D	D	D	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B
Potassium Hydroxide Dilute (hot)	HKO	D	D	D	D	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B
Potassium Hydroxide to 70% (hot)	HKO	D	D	D	D	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B
Potassium Iodide	IK	B	C	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B
Potassium Nitrate	KNO ₃	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B
Potassium Oxalate	C ₂ K ₂ O ₄	B	B	B	A	B	B	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Potassium Permanganate	KMnO ₄	B	B	B	B	A	B	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Potassium Phosphate (mono)	KH ₂ PO ₄	D	C	C	C	B	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Potassium Phosphate Di-basic	K ₂ HPO ₄	B	B	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Potassium Phosphate Tri-basic	K ₃ PO ₄	D	A	A	A	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B
Potassium Sulfate	K ₂ O ₄ S	B	C	B	B	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Potassium Sulfide	HK ₂ S+	C	D	D	C	A	B	B	D	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B
Potassium Sulfite	K ₂ O ₃ S	B	B	D	C	A	B	A	C	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B
Producer Gas	-	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B
Propane Gas	C ₃ H ₈	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Propyl Bromide	C ₃ H ₇ Br	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B
Propylene Glycol	C ₃ H ₈ O ₂	C	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B
Pyridine	C ₅ H ₅ N	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B
Pyrogallic Acid	-	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B
Quench Oil	-	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B
Quinine Sulfate (dry)	C ₄₀ H ₅₀ N ₁₀ O ₈ S	A	B	B	A	A	B	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A

Ratings: A - Excellent B - Good C - Poor D - Do not use Blank - No Information

TECHNICAL DATA

Chemical Compatibility Table

Media	Chemical Formula	Metals														Elastomers			Polymers									
		Aluminum	Brass	Carbon Steel	Ductile Iron / Cast Iron	316/316Ti/321 S.St	17-4PH	Alloy20	Monel	Hastelloy C®	Inconel 625	Titanium	Bronze	304 Stainless Steel	Duplex	Buna N (Nitrile)	EPDM/EPR	Viton	Flexible Graphite	Delrin®	Peek®	PVDF	Teflon® and Reinforced Teflon	PCTFE	UHMWPE®	Vespel®	PFA	KEL-F®
Resins & Rosins	-	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Resorcinol	C ₆ H ₆ O ₂	A	B	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C
Road Tar	C ₇ H ₆ O ₃	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Roof Pitch	-	A	A	B	B	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Rosin Emulsion	C ₁₅ H ₂₀ O ₆	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
R P-1 Fuel	-	B	B	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C
Rubber Latex Emulsions	-	C	C	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D
Rubber solvents	-	B	B	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C
Salad Oil	-	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B
Salicylic Acid	C ₇ H ₆ O ₃	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B
Salt (NaCl)	NaCl+H ₂ O	B	D	C	C	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D
Salt Brine	NaCl	C	C	C	C	D	B	A	B	A	B	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Sauerkraut Brine	-	A	B	A	B	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Sea Water	-	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B
Sewage	-	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D
Shellac	-	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D
Silicone Fluids	Si	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D
Silver Bromide	AgBr	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B
Silver Cyanide	AgCN	C	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B
Silver Nitrate	CAgN	B	B	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C
Silver Plating sol.	-	D	B	B	C	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Soap Solutions (Searates)	C ₂₁ H ₄₂ O ₄	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B
Sodium Acetate	C ₂ H ₄ O ₂	C	B	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C
Sodium Aluminate	AlNaO ₂	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B
Sodium Benzoate	C ₇ H ₆ O ₂	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D
Sodium Bicarbonate	CHNaO ₃	C	B	D	D	D	A	B	B	C	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B
Sodium Bichromate	Cr ₂ Na ₂ O ₇	C	B	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C
Sodium Bisulfate 10%	H ₂ NaO ₄ S	D	B	C	C	D	D	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B
Sodium Bisulfite 10%	HNaO ₃ S	D	B	D	D	D	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Sodium Borate	C ₁₅ H ₂ O ₂	B	B	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C
Sodium Bromide 10%	BrNa	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B

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TECHNICAL DATA

Chemical Compatibility Table

Media	Chemical Formula	Metals														Elastomers				Polymers								
		Aluminum	Brass	Carbon Steel	Ductile Iron / Cast Iron	316/316Ti/321 S.St	17-4PH	Alloy20	Monel	Hastelloy C®	Inconel 625	Titanium	Bronze	304 Stainless Steel	Duplex	Buna N (Nitrile)	EPDM/EPR	Viton	Flexible Graphite	Delrin®	Peek®	PVDF	Teflon® and Reinforced Teflon	PCTFE	UHMWPE®	Vespel®	PFA	KEL-F®
Sodium Carbonate (Soda Ash)	CH2O3	D	B	B	B	B	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Sodium Chlorate	ClNaO3	C	B	B	B	B	A	B	C	B	A	B	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Sodium Chloride	ClNa	B	C	B	C	B	B	B	B	A	A	B	B	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Sodium Chromate	CrNa2O4	B	C	B	B	A	A	A	A	A	A	B	B	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Sodium Citrate	C6H5Na3O7	D					A																					
Sodium Cyanide	CNNA	D	D	B	B	B	A	B	A	B	A	D	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Sodium Ferricyanide	C6FeN6Na3						C	B	B	A	B	B	C	B														
Sodium Fluoride	FNa	B	C	D	D	D	B	A	B	A	B	A	B	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Sodium Hydroxide 20% (cold)	NaOH	D	C	A	A	A	A	B	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Sodium Hydroxide 20% (hot)	NaOH	D	C	B	B	A	A	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B
Sodium Hydroxide 50% (cold)	NaOH	D	D	A	B	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Sodium Hydroxide 50% (hot)	NaOH	D	D	B	B	A	B	B	B	B	B	D	D	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B
Sodium Hydroxide 70% (hot)	NaOH	D	D	C	B	A	A	B	A	A	A	D	C	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B
Sodium Hypochlorite (Bleach)	ClNaO	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D
Sodium Hyposulfite	Na2S2O4	B					B																					
Sodium Lactate	C3H5NaO3	D					A																					
Sodium Metaphosphate	Na6O18P6	C	D	C	B	B	A	A	B	A	A	B	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Sodium Metasilicate (cold)	Na2O3Si	D	B	B	C	D	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Sodium Metasilicate (hot)	Na2O3Si	D	B	B	C	D	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Sodium Nitrate	NNaO3	A	B	B	B	B	A	A	A	B	B	B	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Sodium Nitrite	NNaO2	A	B	B	B	B	A	A	B	B	B	B	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Sodium Perborate	BNaO3	C	D	B	C	C	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Sodium Peroxide	Na2O2	C	C	C	C	D	B	A	A	A	A	D	A	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C
Sodium Phosphate (mono)	NaH2PO4	D	C	C	B	D	B	A	A	B	A	C	B	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Sodium Phosphate Di-basic	Na2HPO4	D	C	C	C	C	B	A	B	B	A	C	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Sodium Phosphate Tri-basic	Na3PO4	D	C	C	C	C	B	A	B	B	A	C	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Sodium Polychosphate	Na6O18P6	D	D				D	B	B	B	B	A	C	B														
Sodium Salicylate	C7H5NaO3	B	C	C	B	B	A	A	A	A	A	D	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Sodium Silicate	Na2O3Si	B	C	C	B	B	A	A	A	A	A	D	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Sodium Silicate (hot)	Na2O3Si	C	D	D	C	C	B	B	B	B	B	D	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A

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Sodium Sulfate	Na2O4S	A	B	B	B	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Sodium Sulfide	HNaS	D	D	C	C	B	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Sodium Sulfite	NaO3S-	C	C	B	A	A	A	A	C	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Sodium Tetraborate	C15H12O2	C	D		A	A	A	A		B	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Sodium Thiosulfate	Na2S5O3	A	D	C	C	B	A	A	B	B	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Soybean Oil	-	B	B	C	C	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Starch	C27H48O20	B	B	B	B	B	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Steam (212°F)	-	B	B	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Stearic Acid	C18H36O2	B	C	C	C	B	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Styrene	C8H8	A	A	B	B	B	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Sugar Liquids	-	A	A	A	B	B	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Sugar, Syrups & Jam	-	B	B	B	C	C	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Sulfate Black Liquor	H2O4S	D	C	C	C	C	B	A	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B
Sulfate Green Liquor	H2O4S	D	C	C	C	C	B	A	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B
Sulfate White Liquor	H2O4S	D	C	C	C	C	B	A	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B
Sulfur	S	C	C	C	C	C	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A
Sulfur Chloride	SCI	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D
Sulfur Dioxide (dry)	SO2	B	B	B	B	B	A	A	A	B	B	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Sulfur Dioxide (wet)	SO2	B	D				B	C	B	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Sulfur Hexafluoride	SF6	A	B				A																					
Sulfur, Molten	-	A	D	C	B	B	A	A	C	B																		
Sulfur Trioxide	SO3	A	D	B	B	B	B	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Sulfur Trioxide (dry)	SO3	A	C	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B
Sulfuric Acid 0 to 77%	H2SO4	D	D	D	D	D	C	C	C	B	C	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Sulfuric Acid 100%	H2SO4	D	D	D	D	D	C	C	C	B	C	B	C	B	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Sulfurous Acid	H2O3S	C	D	D	D	D	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B
Tall Oil	-	C	B	B	B	B	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Tannic Acid (Tannin)	C27H24O18	C	B	C	C	C	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B
Tanning Liquors	C27H24O18	A	A				A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Tar & Tar Oils	C2H4O3	B	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Tartaric Acid	C4H6O6	B	D	D	D	D	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A

Ratings: A - Excellent B - Good C - Poor D - Do not use Blank - No Information

TECHNICAL DATA

Chemical Compatibility Table

Media	Chemical Formula	Metals													Elastomers				Polymers									
		Aluminum	Brass	Carbon Steel	Ductile Iron / Cast Iron	316/316Ti/321 S.St	17-4PH	Alloy20	Monel	Hastelloy C®	Inconel 625	Titanium	Bronze	304 Stainless Steel	Duplex	Buna N (Nitrile)	EPDM/EPR	Viton	Flexible Graphite	Delrin®	Peek®	PVDF	Teflon® and Reinforced Teflon	PCTFE	UHMWPE®	Vespel®	PFA	KEL-F®
Tetraethyl Lead	C ₈ H ₂₀ Pb	B	B	B	B	C	C	B	B	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Toluol (Toluene)	C ₇ H ₈	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	B
Tomato Juice	-	C	C	B	C	C	C	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Transformer Oil	-	A	B	A	A	B	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Tributyl Phosphate	C ₁₂ H ₂₇ O ₄ P	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Trichlorethylene	C ₂ HCl ₃	B	A	B	C	B	C	B	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Trichloroacetic Acid	C ₂ HCl ₃ O ₂	D	B		D	D	D	D	C	B	B	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Triethanolamine	C ₆ H ₁₅ NO ₃	B		C	C	C	B	B	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Triethylamine	C ₆ H ₁₅ NO ₃		B		A		B		B		B																	
Trisodium Phosphate	Na ₃ O ₄ P	D		A	A	B	A	B	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	D
Tung Oil	-	B	B	B	B	B	B	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Turpentine	C ₁₀ H ₁₆	A	C	B	B	B	B	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Urea	CH ₄ N ₂ O	B	B	C	C	C	B	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Uric Acid	C ₅ H ₄ N ₂ O ₃	C						A	B	A																		
Varnish	-	A	B	C	C	C	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Vegetable Oils	-	A	B	A	B	A	B	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Vinegar	C ₂ H ₄ O ₂	D	C	D	D	D	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Vinyl Acetate	C ₄ H ₆ O ₂	B	B	A	B	A	B	A	A	B	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Water (distilled)	H ₂ O	A	B	C	D	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Water (fresh)	H ₂ O	A	B	C	C	C	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Water (acid mine)	-	D	D	D	D	D	B	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Waxes	-	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Whiskey & Wines	-	C	B	D	D	D	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Xylene, Xylol (dry)	C ₂ H ₄ SO	A	A	B	B	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Zinc Bromide	Br ₂ Zn	D	B		D	B		B		B																		
Zinc Hydrosulfite	ZnS ₂ O ₄	D	C	A	B	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Zinc Sulfate	ZnSO ₄	D	C	C	C	D	D	B	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Zinc	Zn	C					A																					

Ratings: A - Excellent B - Good C - Poor D - Do not use Blank - No Information



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