CAT 5

24

MILL & FIRE HOSE

MILL

SINGLE JACKET / SBR LINED
SINGLE JACKET / PVC-NBR LINED
SINGLE JACKET / EPDM LINED
DOUBLE JACKET / SBR LINED
DOUBLE JACKET / PVC-NBR LINED

FIRE

SINGLE JACKET / 300# & 500# TEST
SINGLE JACKET / 300# & 500# TEST UL LABEL
DOUBLE JACKET / 600# & 800# TEST
SINGLE JACKET RED COATED 500# TEST
SINGLE JACKET YELLOW COATED 500# TEST
FORESTRY HOSE 500# TEST
RED & YELLOW COATED 500# TEST

SEALFAST
THE SIMPLE SOLUTION

INDEX

HOSES

TERMS OF SALE

TERMS:

1/2% 10 Days, net 30 Days

FREIGHT:

All shipments are made FOB Seal Fast Inc. or Point of Manufacturer. (Applies to shipments from Houston Warehouse Only) Freight prepaid on 1000 net couplings and accessories, $1500 Net Couplings, PVC Tubing, Braided Tubing and Fire Hose. Freight prepaid on $3000 Net Couplings, Rubber Hose, PVC Hose and Sheet Rubber with the exclusion of all PVC Suction including 6" and 8" PVC Suction ONLY orders. If combined with other items freight is prepaid at $3000 Net, otherwise these items will Not be applied toward prepaid freight. **Effective immediately, regardless of invoice value, all uncoupled cut lengths of hoses are shipped FOB Seal Fast Inc.** Seal Fast Inc. reserves the right to determine the most Economical shipping method on all prepaid shipments. **In addition, Seal Fast Inc. reserves the right to refuse any prepaid shipments exceeding 6% freight cost of the order unless items are added or subtracted to keep said freight cost at or below 6%.** Applies to Continental United States, excluding Alaska and Hawaii. **Any evidence of shortage must be reported to Seal Fast Inc. within 10 days. Any Damage to hose/hoses, etc. customer is responsible for filing a claim with the delivery carrier within 10 days. Seal Fast Inc. will not issue credit.**

ALL UPS prepay and add or collect shipments will endure a **$7.50** shipping and handling fee including All backorders.

All drop shipments will endure a $5.00 fee.

WARRANTY:

Products are warranted against defects in workmanship and defects in material. Products having such defects will be replaced or credited as Seal Fast elects. Liability is limited to the invoice value of the defective item. Our responsibility shall not exceed the original purchase price of the defective product. In any event, Seal Fast, Inc. shall not be held responsible for any special or consequential damages.

RETURNED GOODS:

If for any reason you wish to return goods, please contact Seal Fast Inc. for prior authorization number. Goods must be returned within 30 days and must be in new and resaleable condition. Minimum handling charge is 15%.

All discrepancies in shipment / invoice must be reported within 10 days of receipt of goods.

PROMPTPAYMENT:

Orders receive preferred treatment when the account is paid promptly. Orders may be held up if any unpaid invoice exceeds 30 days.

MINIMUM INVOICE:

All invoices are subject to a minimum billing charge of 50.00 net. Returned checks are subject to a $25.00 service charge.

GENERAL:

Orders will be accepted subject to delays caused by accident, strike, fire or other causes beyond the control of the seller including failure of seller's suppliers to deliver. Prices, discounts and other specifications are subject to change without notice. All prices are subject to any applicable taxes imposed. The possessions of this price schedule is not to be construed as an offer to sell at the prices shown. Special price for volume quotes will be accepted in writing only.

PLEASE NOTE:

Extra care is taken in the preparation of this literature but Seal Fast, Inc. is not responsible for any inadvertent typographical errors or omissions.

STOCKING WAREHOUSES

SEAL FAST, INC.
5603 Harvey Wilson Dr.
Houston, TX 77020

(713) 675-6324 or 800-231-0734 | FAX (713) 675-0146 or 800-681-1515 | E-mail sales@sealfast.com

PORTER ASSOCIATES
1150 Boot Road
Unit 1
Downingtown, PA 19335
(610) 518-2301

ASPEN MARKETING, INC
5160 Fox Street
Denver, CO 80216
(303) 455-8175
(303) 477-6504 Fax

THE WAGNER GROUP
125 State St.
P O Box 1683
Elkhart, IN 46516
(574) 294-2769
(574) 522-2083 Fax

DISCLAIMERS

Product Images

- Seal Fast makes every reasonable effort to show accurate product representation, however pictures are for reference only, and do not necessarily reflect the exact product you will receive.
- Seal Fast reserves the right to alter product appearance without notice. Some product features shown in pictures may no longer be available.

Product Specifications

- Seal Fast is continuously working to provide the best quality for the best price.
- We reserve the right to alter product specifications without notice.

Product Usage

- Our Sales Team will do their best to assist in choosing the best product for a particular application. However, it is ultimately the customer's responsibility to determine the correct product for the correct application.
- Seal Fast will not be held liable for the abuse or misuse of our products in a manner in which they are not designed.
- Seal Fast cannot guarantee the integrity of an assembly if other manufacturers parts are used.

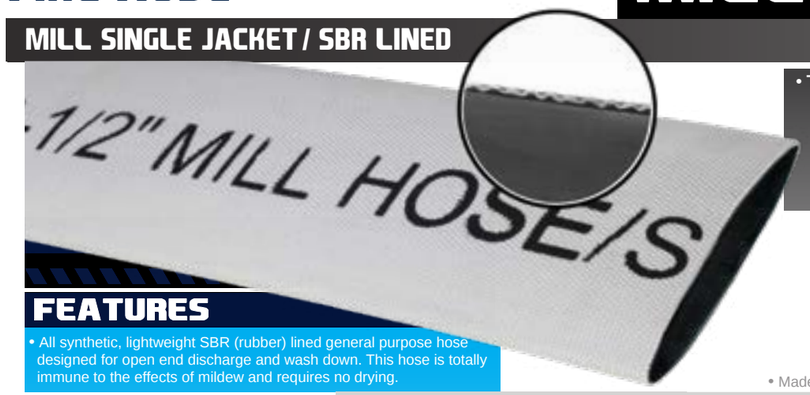
Product Availability

- Seal Fast reserves the right to discontinue products at any time without prior notice.

Product Pricing

- Seal Fast is constantly doing our best to maintain pricing levels. However, circumstances change and while many prices go down, others will increase.
- Please contact your sales associate for current pricing.

MILL SINGLE JACKET / SBR LINED



- **Temp Range:** -22° F to +158° F
- **Tube:** SBR
- **Reinforcement:** White, Polyester Jacket

SPECS

ASSEMBLIES p.254

110 PSI

FEATURES

- All synthetic, lightweight SBR (rubber) lined general purpose hose designed for open end discharge and wash down. This hose is totally immune to the effects of mildew and requires no drying.
- Made over sized to accommodate shank couplings

ID	OD	Length	POLYESTER-SBR LINED 110 PSI					
			Working PSI	Burst PSI	Bend Radius	lbs per roll	Part #	List ft.
1”	n/a	50’	110	330	n/a	7.5	80-100	
1-1/2”	n/a	50’	110	330	n/a	11	80-150	
	n/a	100’	110	330	n/a	22	80-150 100	
2”	n/a	50’	110	330	n/a	17	80-200	
	n/a	100’	110	330	n/a	34	80-200 100	
2-1/2”	n/a	50’	110	330	n/a	20	80-250	
	n/a	100’	110	330	n/a	40	80-250 100	
3”	n/a	50’	110	330	n/a	28	80-300	
	n/a	100’	110	330	n/a	56	80-300 100	
4”	n/a	50’	110	330	n/a	50	80-400	
	n/a	100’	110	330	n/a	56	80-400 100	

MILL SINGLE JACKET / PVC - NBR LINED

- **Temp Range:** -22° F to +158° F
- **Tube:** PVC/NBR
- **Reinforcement:** White, Polyester Jacket

SPECS

ASSEMBLIES p.254

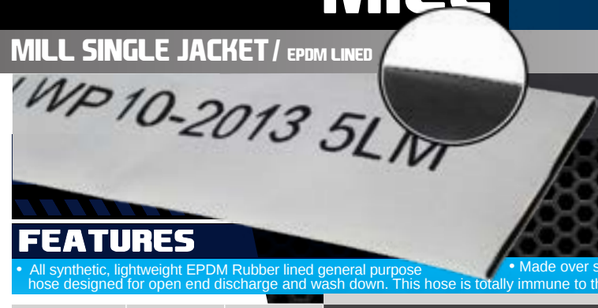
110 PSI

FEATURES

- Made over sized to accommodate shank couplings

ID	OD	Length	POLYESTER-PVC/NBR LINED 110 PSI					
			Working PSI	Burst PSI	Bend Radius	lbs per roll	Part #	List ft.
1”	n/a	50’	110	330	n/a	n/a	80-100PN	
	n/a	100’	110	330	n/a	n/a	80-100PN 100	
1-1/2”	n/a	50’	110	330	n/a	n/a	80-150PN	
	n/a	100’	110	330	n/a	n/a	80-150PN 100	
2”	n/a	50’	110	330	n/a	n/a	80-200PN	
	n/a	100’	110	330	n/a	n/a	80-200PN 100	
2-1/2”	n/a	50’	110	330	n/a	n/a	80-250PN	
	n/a	100’	110	330	n/a	n/a	80-250PN 100	
3”	n/a	50’	110	330	n/a	n/a	80-300PN	
	n/a	100’	110	330	n/a	n/a	80-300PN 100	
4”	n/a	50’	110	330	n/a	n/a	80-400PN	
	n/a	100’	110	330	n/a	n/a	80-400PN 100	

MILL SINGLE JACKET / EPDM LINED



- **Temp Range:** -22° F to +158° F
- **Tube:** EPDM
- **Reinforcement:** White, Polyester Jacket

SPECS

ASSEMBLIES p.279

110 PSI

FEATURES

- All synthetic, lightweight EPDM Rubber lined general purpose hose designed for open end discharge and wash down. This hose is totally immune to the effects of mildew and requires no drying.
- Made over sized to accommodate shank couplings

ID	OD	Length	POLYESTER-EPDM LINED 110 PSI					
			Working PSI	Burst PSI	Bend Radius	lbs per roll	Part #	List ft.
1”	n/a	50’	110	330	n/a	7.5	80-132	
1-1/2”	n/a	50’	110	330	n/a	11	80-133	
	n/a	100’	110	330	n/a	22	80-133 100	
2”	n/a	50’	110	330	n/a	17	80-134	
	n/a	100’	110	330	n/a	34	80-134 100	
2-1/2”	n/a	50’	110	330	n/a	20	80-135	
	n/a	100’	110	330	n/a	40	80-135 100	
3”	n/a	50’	110	330	n/a	28	80-136	
	n/a	100’	110	330	n/a	56	80-136 100	
4”	n/a	50’	110	330	n/a	50	80-137	
6”	n/a	50’	110	330	n/a	59	80-139	

MILL DOUBLE JACKET / SBR LINED

- **Temp Range:** -22° F to +158° F
- **Tube:** SBR
- **Reinforcement:** White, Polyester Double Jacket

SPECS

ASSEMBLIES p.255

220 PSI

FEATURES

- All synthetic, lightweight SBR (rubber) lined general purpose hose designed for open end discharge and wash down. This hose is totally immune to the effects of mildew and requires no drying.
- Made over sized to accommodate shank couplings

ID	OD	Length	POLYESTER-SBR LINED 220 PSI					
			Working PSI	Burst PSI	Bend Radius	lbs per roll	Part #	List ft.
1”	n/a	50’	220	660	n/a	7.5	80-100DJ	
1-1/2”	n/a	50’	220	660	n/a	11	80-150DJ	
	n/a	100’	220	660	n/a	22	80-150DJ 100	
2”	n/a	50’	220	660	n/a	17	80-200DJ	
	n/a	100’	220	660	n/a	34	80-200DJ 100	
2-1/2”	n/a	50’	220	660	n/a	20	80-250DJ	
	n/a	100’	220	660	n/a	40	80-250DJ 100	
3”	n/a	50’	220	660	n/a	28	80-300DJ	
	n/a	100’	220	660	n/a	56	80-300DJ 100	
4”	n/a	50’	220	660	n/a	50	80-400DJ	
	n/a	100’	220	660	n/a	56	80-400DJ 100	

MILL DOUBLE JACKET / PVC - NBR LINED

- **Temp Range:** -22° F to +158° F
- **Tube:** PVC/NBR
- **Reinforcement:** White, Polyester Double Jacket

SPECS

ASSEMBLIES p.255

220 PSI

- All synthetic, lightweight PVC / NBR (plastic/rubber) lined general purpose hose designed for open end discharge and wash down. This hose is totally immune to the effects of mildew and requires no drying.
- Made over sized to accommodate shank couplings

ID	OD	Length	POLYESTER-PVC/NBR LINED 220 PSI					
			Working PSI	Burst PSI	Bend Radius	lbs per roll	Part #	List ft.
1-1/2”	n/a	50’	220	660	n/a	n/a	80-150DJPN	
	n/a	100’	220	660	n/a	n/a	80-150DJPN 100	
2”	n/a	50’	220	660	n/a	n/a	80-200DJPN	
	n/a	100’	220	660	n/a	n/a	80-200DJPN 100	
2-1/2”	n/a	50’	220	660	n/a	n/a	80-250DJPN	
	n/a	100’	220	660	n/a	n/a	80-250DJPN 100	

SINGLE JACKET - 300# TEST

- **Temp Range:** -22° F to +158° F
- **Tube:** EPDM
- **Reinforcement:** White, Polyester Jacket

SPECS

ASSEMBLIES p.256

FEATURES

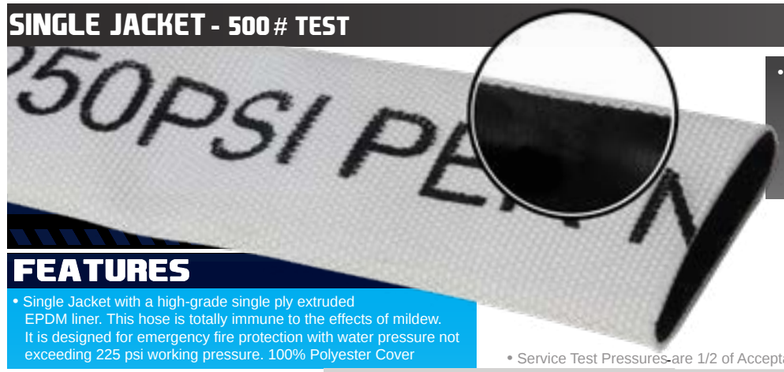
- Single Jacket with a high-grade single ply extruded EPDM liner. This hose is totally immune to the effects of mildew. It is designed for emergency fire protection with water pressure not exceeding 135 psi working pressure. 100% Polyester Cover

- Service Test Pressures are 1/2 of Acceptance Test Pressures per NFPA 1962 latest edition

135 PSI

ID	OD	Length	POLYESTER-EPDM LINED					
			135 PSI					
			Working PSI	Bowl Size	Bend Radius	lbs per roll	Part #	List ft.
1-1/2”	n/a	50’	135	1-3/4”	n/a	11	80-075	
	n/a	75’	135	1-3/4”	n/a	16.5	80-075 75	
	n/a	100’	135	1-3/4”	n/a	22	80-075 100	
2”	n/a	50’	135	2-5/16”	n/a	17	80-076	
	n/a	100’	135	2-5/16”	n/a	25.5	80-076 100	
2-1/2”	n/a	50’	135	2-13/16”	n/a	25	80-077	
	n/a	75’	135	2-13/16”	n/a	37.5	80-077 75	
	n/a	100’	135	2-13/16”	n/a	50	80-077 100	
	n/a	75’	135	2-13/16”	n/a	37.5	80-077 75	

SINGLE JACKET - 500# TEST



- **Temp Range:** -22° F to +158° F
- **Tube:** EPDM
- **Reinforcement:** White, Polyester Jacket

SPECS

ASSEMBLIES p.256

FEATURES

- Single Jacket with a high-grade single ply extruded EPDM liner. This hose is totally immune to the effects of mildew. It is designed for emergency fire protection with water pressure not exceeding 225 psi working pressure. 100% Polyester Cover

- Service Test Pressures are 1/2 of Acceptance Test Pressures per NFPA 1962 latest edition

225 PSI

ID	OD	Length	POLYESTER-EPDM LINED					
			225 PSI					
			Working PSI	Bowl Size	Bend Radius	lbs per roll	Part #	List ft.
1-1/2”	n/a	50’	225	1-3/4”	n/a	13	80-083	
	n/a	75’	225	1-3/4”	n/a	19.5	80-083 75	
	n/a	100’	225	1-3/4”	n/a	26	80-083 100	
2”	n/a	50’	225	2-5/16”	n/a	19	80-084	
	n/a	100’	225	2-5/16”	n/a	28	80-084 100	
2-1/2”	n/a	50’	225	2-13/16”	n/a	25	80-085	
	n/a	75’	225	2-13/16”	n/a	37.5	80-085 75	
	n/a	100’	225	2-13/16”	n/a	52	80-085 100	

* 5% CUTTING CHARGE FOR ANY LENGTH HOSE NOT LISTED

SINGLE JACKET - 300# TEST - (UL Label)

- **Temp Range:** -22° F to +158° F
- **Tube:** EPDM
- **Reinforcement:** White, Polyester Jacket

SPECS

ASSEMBLIES p.256

FEATURES

- Single Jacket with a high-grade single ply extruded EPDM liner. This hose is totally immune to the effects of mildew. It is designed for emergency fire protection with water pressure not exceeding 135 psi working pressure. 100% Polyester Cover

- Service Test Pressures are 1/2 of Acceptance Test Pressures per NFPA 1962 latest edition

135 PSI

ID	OD	Length	POLYESTER-EPDM LINED					
			135 PSI					
			Working PSI	Bowl Size	Bend Radius	lbs per roll	Part #	List ft.
1-1/2”	n/a	50’	135	1-3/4”	n/a	11	80-075UL	
	n/a	75’	135	1-3/4”	n/a	16.5	80-075UL 75	
	n/a	100’	135	1-3/4”	n/a	22	80-075UL 100	
2-1/2”	n/a	50’	135	2-13/16”	n/a	25	80-077UL	
	n/a	75’	135	2-13/16”	n/a	37.5	80-077UL 75	
	n/a	100’	135	2-13/16”	n/a	50	80-077UL 100	

SINGLE JACKET - 500# TEST - (UL Label)

- **Temp Range:** -22° F to +158° F
- **Tube:** EPDM
- **Reinforcement:** White, Polyester Jacket

SPECS

ASSEMBLIES p.256

FEATURES

- Single Jacket with a high-grade single ply extruded EPDM liner. This hose is totally immune to the effects of mildew. It is designed for emergency fire protection with water pressure not exceeding 225 psi working pressure.
- 100% Polyester Cover

- Service Test Pressures are 1/2 of Acceptance Test Pressures per NFPA 1962 latest edition

225 PSI

ID	OD	Length	POLYESTER-EPDM LINED					
			225 PSI					
			Working PSI	Bowl Size	Bend Radius	lbs per roll	Part #	List ft.
1-1/2”	n/a	50’	225	1-3/4”	n/a	13	80-083UL	
	n/a	100’	225	1-3/4”	n/a	26	80-083UL 100	
2-1/2”	n/a	50’	225	2-13/16”	n/a	25	80-085UL	
	n/a	100’	225	2-13/16”	n/a	52	80-085UL 100	

* 5% CUTTING CHARGE FOR ANY LENGTH HOSE NOT LISTED

DOUBLE JACKET - 600# TEST

SPECS
- **Temp Range:** -22° F to +158° F
- **Tube:** EPDM
- **Reinforcement:** White, Polyester Double Jacket

ASSEMBLIES p.256

FEATURES

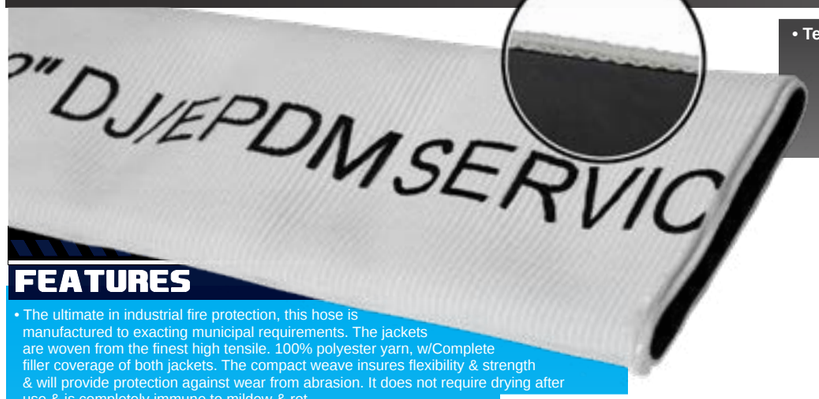
- The ultimate in industrial fire protection, this hose is manufactured to exacting municipal requirements. The jackets are woven from the finest high tensile. 100% polyester yarn, w/Complete filler coverage of both jackets. The compact weave insures flexibility & strength; provides protection against wear from abrasion. It does not require drying after use & is completely immune to mildew & rot.

270 PSI

- Service Test Pressures are 1/2 of Acceptance Test Pressures per NFPA 1962 latest edition

ID	OD	Length	POLYESTER-EPDM LINED					
			270 PSI					
			Working PSI	Bowl Size	Bend Radius	lbs per ft	Part #	List ft.
1-1/2”	n/a	50’	270	1-15/16”	n/a	16.5	80-002	
	n/a	100’	270	1-15/16”	n/a	33	80-002 100	
2”	n/a	50’	270	2-5/16”	n/a	19	80-003	
2-1/2”	n/a	50’	270	3”	n/a	28.5	80-130	
	n/a	100’	270	3”	n/a	57	80-130 100	

DOUBLE JACKET - 800# TEST



SPECS
- **Temp Range:** -22° F to +158° F
- **Tube:** EPDM
- **Reinforcement:** White, Polyester Double Jacket

ASSEMBLIES p.257

FEATURES

- The ultimate in industrial fire protection, this hose is manufactured to exacting municipal requirements. The jackets are woven from the finest high tensile. 100% polyester yarn, w/Complete filler coverage of both jackets. The compact weave insures flexibility & strength & will provide protection against wear from abrasion. It does not require drying after use & is completely immune to mildew & rot.

270 PSI

- Service Test Pressures are 1/2 of Acceptance Test Pressures per NFPA 1962 latest edition

ID	OD	Length	POLYESTER-EPDM LINED					
			270 PSI					
			Working PSI	Bowl Size	Bend Radius	lbs per ft	Part #	List ft.
1-1/2”	n/a	50’	270	1-15/16”	n/a	16.5	80-004	
	n/a	100’	270	1-15/16”	n/a	33	80-004 100	
2-1/2”	n/a	50’	270	3”	n/a	28.5	80-131	
	n/a	100’	270	3”	n/a	57	80-131 100	

* 5% CUTTING CHARGE FOR ANY LENGTH HOSE NOT LISTED

RED COATED SINGLE JACKET - 500# TEST

SPECS
- **Temp Range:** -22° F to +158° F
- **Tube:** EPDM
- **Reinforcement:** White, Polyester Jacket

ASSEMBLIES p.257

FEATURES

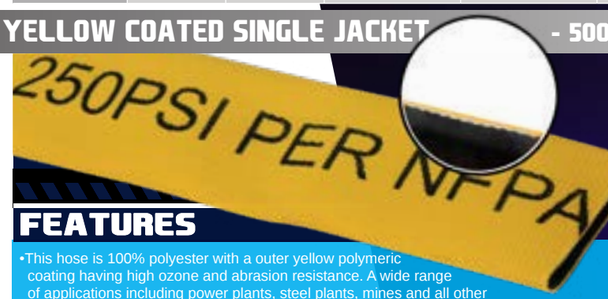
- This hose is 100% polyester with a outer red polymeric coating having high ozone and abrasion resistance. Wide range of application including power plants, steel plants, mines and all other types of industry needing high visibility and maintenance free hose. Recommended 135 psi working pressure.

135 PSI

- Service Test Pressures are 1/2 of Acceptance Test Pressures per NFPA 1962 latest edition

ID	OD	Length	RED POLYMERIC COATING / POLYESTER-EPDM LINED					
			135 PSI					
			Working PSI	Bowl Size	Bend Radius	lbs per roll	Part #	List ft.
1-1/2”	n/a	50’	135	1-3/4”	n/a	10.5	NOVADURA150	
	n/a	100’	135	1-3/4”	n/a	21	NOVADURA150 100	
2-1/2”	n/a	50’	135	2-13/16”	n/a	19.5	NOVADURA250	
	n/a	100’	135	2-13/16”	n/a	39	NOVADURA250 100	

YELLOW COATED SINGLE JACKET - 500# TEST



SPECS
- **Temp Range:** -22° F to +158° F
- **Tube:** EPDM
- **Reinforcement:** White, Polyester Jacket

ASSEMBLIES p.257

FEATURES

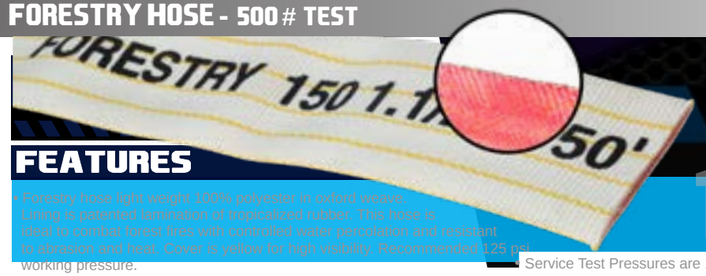
- This hose is 100% polyester with a outer yellow polymeric coating having high ozone and abrasion resistance. A wide range of applications including power plants, steel plants, mines and all other types of industry needing high visibility and maintenance free hose. Recommended 135 psi working pressure.

135 PSI

- Service Test Pressures are 1/2 of Acceptance Test Pressures per NFPA 1962 latest edition

ID	OD	Length	YELLOW POLYMERIC COATING / POLYESTER-EPDM LINED					
			135 PSI					
			Working PSI	Bowl Size	Bend Radius	lbs per roll	Part #	List ft.
1-1/2”	n/a	50’	135	1-3/4”	n/a	10.5	NOVADURA150Y	
	n/a	100’	135	1-3/4”	n/a	21	NOVADURA150Y 100	
2-1/2”	n/a	50’	135	2-13/16”	n/a	19.5	NOVADURA250Y	
	n/a	100’	135	2-13/16”	n/a	39	NOVADURA250Y 100	

FORESTRY HOSE - 500# TEST



SPECS
- **Temp Range:** -22° F to +158° F
- **Tube:** Proprietary Blend
- **Reinforcement:** White, Polyester Oxford Weave Jacket

ASSEMBLIES p.257

FEATURES

- Forestry hose light weight 100% polyester in oxford weave. Lining is patented lamination of tropicalized rubber. This hose is ideal to combat forest fires with controlled water percolation and resistant to abrasion and heat. Cover is yellow for high visibility. Recommended 125 psi working pressure.

125 PSI

- Service Test Pressures are 1/2 of Acceptance Test Pressures per NFPA 1962 latest edition

ID	OD	Length	POLYESTER - PROPRIETARY BLEND					
			125 PSI					
			Working PSI	Bowl Size	Bend Radius	lbs per roll	Part #	List ft.
1-1/2”	n/a	50’	125	1-3/4”	n/a	5	FORESTRY150	
	n/a	100’	125	1-3/4”	n/a	11	FORESTRY150 100	

* 5% CUTTING CHARGE FOR ANY LENGTH HOSE NOT LISTED

RED NITRILE COVERED PERMALINE - 500# TEST

SPECS

- **Temp Range:** -4° F to +174° F
- **Cover: Red,** Nitrile
- **Tube:** EPDM
- **Reinforcement:** White, Polyester Jacket

ASSEMBLIES p. 281

FEATURES

- This covered hose is a premium quality, abrasion resistant, chemical resistant, lightweight industrial fire hose. The one-piece cover/lining totally encompasses the synthetic reinforcement providing an industrial fire hose that is easy to use, clean and maintain. This hose is totally immune to mildew & resists the effects of most chemicals. Recommended 225 psi working pressure.

225 PSI

- Service Test Pressures are 1/2 of Acceptance Test Pressures per NFPA 1962 latest edition

ID	OD	Length	NITRILE - RED					
			225 PSI					
			Working PSI	Bowl Size	Bend Radius	lbs per roll	Part #	List ft.
1-1/2”	n/a	50’	225	1-3/4”	n/a	10.5	PERMALINE150	
	n/a	100’	225	1-3/4”	n/a	21	PERMALINE150 100	
2-1/2”	n/a	50’	225	2-13/16”	n/a	19.5	PERMALINE250	
	n/a	100’	225	2-13/16”	n/a	39	PERMALINE250 100	

YELLOW NITRILE COVERED PERMALINE - 500# TEST

SPECS

- **Temp Range:** -4° F to +174° F
- **Cover: Yellow,** Nitrile
- **Tube:** EPDM
- **Reinforcement:** White, Polyester Jacket

ASSEMBLIES p. 281

FEATURES

- This covered hose is a premium quality, abrasion resistant, chemical resistant, lightweight industrial fire hose. The one-piece cover/lining totally encompasses the synthetic reinforcement providing an industrial fire hose that is easy to use, clean and maintain. This hose is totally immune to mildew and resists the effects of most chemicals. Recommended 225 psi working pressure

225 PSI

- Service Test Pressures are 1/2 of Acceptance Test Pressures per NFPA 1962 latest edition

ID	OD	Length	NITRILE - YELLOW					
			225 PSI					
			Working PSI	Burst PSI	Bend Radius	lbs per roll	Part #	List ft.
1-1/2”	n/a	50’	225	1-3/4”	n/a	10.5	PERMALINE150Y	
	n/a	100’	225	1-3/4”	n/a	21	PERMALINE150Y 100	
2-1/2”	n/a	50’	225	2-13/16”	n/a	19.5	PERMALINE250Y	

* 5% CUTTING CHARGE FOR ANY LENGTH HOSE NOT LISTED

STANDARD COUPLING METHODS

Seal Fast banded assemblies are designed for maximum hose retention with the added benefit of being reparable in the field.

Seal Fast internally expanded fire couplings are the industry standard, designed to meet and exceed the needs for long service life.

STANDARD METHODS

THREAD TYPES

NST/NH

American Standard Fire Hose Coupling Thread (National Hose Thread also known as National Standard Thread)

Male NH (NST) - **Female NH**(NST)
Female NH (NST) - **Male NH** (NST)

Thread Compatibility Examples:
Not compatible with other systems. Thread pitch and diameters of fire threads may vary according to local and municipal regulations.

NPSH

American Standard Straight Pipe for Hose Couplings (National Pipe Straight Hose)

Thread Compatibility Examples:

Male NPSH - Female NPSH, NPSM
Female NPSH - Male NPSH, NPT, NPTF, NPSM

DISCLAIMER!

Seal Fast does not stock or necessarily offer assemblies with all of the parts depicted here. The purpose of this page is to give the customer an idea of the various combinations that can be achieved when they shop at Seal Fast. Not all fittings are suitable for all hoses, and not all clamping methods are suitable for all hose/fitting combinations. Seal Fast offers a variety of material options for the fittings as well. Not all materials are suitable for all applications so please consult with your sales representative before ordering.

* 5% CUTTING CHARGE FOR ANY LENGTH HOSE NOT LISTED

MILL HOSE - SINGLE JACKET - SBR

		CAM LOCK C & E - Aluminum	
	Length	PART #	PRICE
1-1/2"	25'	80-0752035415AL	
	50'	80-0751002035415AL	
	100'	80-0772035451AL	
2"	25'	80-0772035451AL	
	50'	80-0771002035451AL	
	100'	80-0752035415AL	
2-1/2"	50'	80-0751002035415AL	
	100'	80-0752035415AL	
3"	50'	80-0751002035415AL	
	100'	80-0752035415AL	
4"	100'	80-0751002035415AL	

		PIN LUG - Aluminum Shank				PIN LUG - Brass Shank				PIN LUG - Brass Fire Coupling			
		NPSH		NST		NPSH		NST		NPSH		NST	
ID	Length	PART #	PRICE	PART #	PRICE	PART #	PRICE	PART #	PRICE	PART #	PRICE	PART #	PRICE
1-1/2"	50'	80-150AL150S		80-150AL150S-NST		80-150BSS150		80-150BSS150NHF		80-1502035315		80-1502035310	
	100'	80-150100AL150S		80-150100AL150S-NST		80-150100BSS150		80-150100BSS150NHF		80-1501002035315		80-1501002035310	
2"	50'	80-200AL200S		---		---		---		---		---	
	100'	80-100100AL200S		---		---		---		---		---	
2-1/2"	50'	80-250AL250S		80-250AL250S-NST		80-250BSS250		80-250BSS250NHF		80-2502035360		80-2502035355	
	100'	80-250100AL250S		80-250100AL250S-NST		80-250100BSS250		80-250100BSS250NHF		80-2501002035360		80-2501002035355	
3"	50'	80-300AL300S		---		---		---		---		---	
	100'	80-300100AL300S		---		---		---		---		---	
4"	100'	80-400AL400S		---		---		---		---		---	

		ROCKER LUG - Aluminum Fire Coupling				ROCKER LUG - Brass Fire Coupling			
		NPSH		NST		NPSH		NST	
ID	Length	PART #	PRICE	PART #	PRICE	PART #	PRICE	PART #	PRICE
1-1/2"	50'	80-1502035415AL		80-1502035410AL		80-1502035415		80-1502035410	
	100'	80-1501002035415AL		80-1501002035410AL		80-1501002035415		80-1501002035410	
2"	50'	---		---		---		---	
	100'	---		---		---		---	
2-1/2"	50'	80-2502035451AL		80-2502035445AL		80-2502035450		80-2502035445	
	100'	80-2501002035451AL		80-2501002035445AL		80-2501002035450		80-2501002035445	

MILL HOSE - SINGLE JACKET - PVC/NBR

		Cam Lock C & E - Aluminum				PIN LUG - Aluminum Shank				PIN LUG - Brass Shank			
						NPSH		NST		NPSH		NST	
ID	Length	PART #	PRICE	PART #	PRICE	PART #	PRICE	PART #	PRICE	PART #	PRICE	PART #	PRICE
1-1/2"	50'	---		---		---		---		---		---	
	100'	---		---		---		---		---		---	
2"	50'	---		---		---		---		---		---	
	100'	---		---		---		---		---		---	
2-1/2"	50'	---		---		---		---		---		---	
	100'	---		---		---		---		---		---	
3"	50'	---		---		---		---		---		---	
	100'	---		---		---		---		---		---	
4"	100'	---		---		---		---		---		---	

MILL HOSE - SINGLE JACKET - EPDM

		CAM LOCK C & E - Aluminum	
	Length	PART #	PRICE
1-1/2"	50'	80-133CEAL	
	100'	80-133100CEAL	
2"	50'	80-134CEAL	
	100'	80-134100CEAL	
2-1/2"	50'	80-135CEAL	
	100'	80-135100CEAL	
3"	50'	80-136CEAL	
	100'	80-136100CEAL	
4"	50'	80-137CEAL	

		PIN LUG - Aluminum Shank				PIN LUG - Brass Shank				PIN LUG - Brass Fire Coupling			
		NPSH		NST		NPSH		NST		NPSH		NST	
ID	Length	PART #	PRICE	PART #	PRICE	PART #	PRICE	PART #	PRICE	PART #	PRICE	PART #	PRICE
1-1/2"	50'	80-133AL150S		80-133AL150S-NST		80-133BSS150		80-133BSS150NHF		80-1332035315		80-1332035310	
	100'	80-133100AL150S		80-133100AL150S-NST		80-133100BSS150		80-133100BSS150NHF		80-1331002035315		80-1331002035310	
2"	50'	---		---		---		---		---		---	
	100'	---		---		---		---		---		---	
2-1/2"	50'	80-135AL250S		80-135AL250S-NST		80-135BSS250		80-135BSS250NHF		80-1352035360		80-1352035355	
	100'	80-135100AL250S		80-135100AL250S-NST		80-135100BSS250		80-135100BSS250NHF		80-1351002035360		80-1351002035355	
3"	50'	80-136AL300S		---		---		---		---		---	
	100'	80-136100AL300S		---		---		---		---		---	
4"	100'	80-137AL400S		---		---		---		---		---	

		ROCKER LUG - Aluminum Fire Coupling				ROCKER LUG - Brass Fire Coupling			
		NPSH		NST		NPSH		NST	
ID	Length	PART #	PRICE	PART #	PRICE	PART #	PRICE	PART #	PRICE
1-1/2"	50'	80-1332035415AL		80-1332035410AL		80-1332035415		80-1332035410	
	100'	80-1331002035415AL		80-1331002035410AL		80-1331002035415		80-1331002035410	
2"	50'	---		---		---		---	
	100'	---		---		---		---	
2-1/2"	50'	80-1352035451AL		80-1352035445AL		80-1352035450		80-1352035445	
	100'	80-1351002035451AL		80-1351002035445AL		80-1351002035450		80-1351002035445	

MILL HOSE - DOUBLE JACKET - SBR

		CAM LOCK C & E - Aluminum		PIN LUG - Aluminum Shank				PIN LUG - Brass Shank			
				NPSH		NST		NPSH		NST	
ID	Length	PART #	PRICE	PART #	PRICE	PART #	PRICE	PART #	PRICE	PART #	PRICE
1-1/2"	50'	80-150DJCEAL		80-150DJAL150S		80-150DJAL150-NST		80-150DJBSS150		80-150DJBSS150-NST	
2"	50'	80-200DJCEAL		80-200DJAL200S		---		80-200DJBSS200		80-200DJBSS200-NST	
2-1/2"	50'	80-250DJCEAL		80-250DJAL250S		80-250DJAL250S-NST		80-250DJBSS250		80-250DJBSS250-NST	

MILL HOSE - DOUBLE JACKET - PVC/NBR

		CAM LOCK C & E - Aluminum		PIN LUG - Aluminum Shank				PIN LUG - Brass Shank			
				NPSH		NST		NPSH		NST	
ID	Length	PART #	PRICE	PART #	PRICE	PART #	PRICE	PART #	PRICE	PART #	PRICE
1-1/2"	50'	---		---		---		80-150DJBSS150		80-150DJBSS150-NST	
2"	50'	---		---		---		80-200DJBSS200		80-200DJBSS200-NST	
2-1/2"	50'	---		---		---		80-250DJBSS250		80-250DJBSS250-NST	

HOSES

SINGLE JACKET - 300 # TEST

EPDM LINED FIRE HOSE

		ROCKER LUG - ALUMINUM FIRE COUPLING				ROCKER LUG - BRASS FIRE COUPLING				PIN LUG - BRASS FIRE COUPLING			
		NPSH		NST		NPSH		NST		NPSH		NST	
ID	Length	PART #	PRICE	PART #	PRICE	PART #	PRICE	PART #	PRICE	PART #	PRICE	PART #	PRICE
1-1/2"	50'	80-0752035415AL		80-0752035410AL		80-0752035415		80-0752035410		80-0752035315		80-0752035310	
	100'	80-0751002035415AL		80-0751002035410AL		80-0751002035415		80-0751002035410		80-0751002035315		80-0751002035310	
2-1/2"	50'	80-0772035451AL		80-0772035445AL		80-0772035450		80-0772035445		80-0772035345		80-0772035355	
	100'	80-0771002035451AL		80-0771002035445AL		80-0771002035450		80-0771002035445		80-0771002035345		80-0771002035355	

SINGLE JACKET - 300 TEST # - UL APPOVED

EPDM LINED FIRE HOSE

		ROCKER LUG - ALUMINUM FIRE COUPLING				ROCKER LUG - BRASS FIRE COUPLING				PIN LUG - BRASS FIRE COUPLING			
		NPSH		NST		NPSH		NST		NPSH		NST	
ID	Length	PART #	PRICE	PART #	PRICE	PART #	PRICE	PART #	PRICE	PART #	PRICE	PART #	PRICE
1-1/2"	50'	80-075UL2035415AL		80-075UL2035410AL		80-075UL2035415		80-075UL2035410		80-075UL2035315		80-075UL2035310	
	100'	80-075UL1002035415AL		80-0751002035410AL		80-075UL1002035415		80-075UL1002035410		80-075UL1002035315		80-075UL1002035310	
2-1/2"	50'	80-077UL2035451AL		80-077UL2035445AL		80-077UL2035450		80-077UL2035445		80-077UL2035345		80-077UL2035355	
	100'	80-077UL1002035451AL		80-077UL1002035445AL		80-077UL1002035450		80-077UL1002035445		80-077UL1002035345		80-077UL1002035355	

SINGLE JACKET - 500 # TEST

EPDM LINED FIRE HOSE

		ROCKER LUG - ALUMINUM FIRE COUPLING				ROCKER LUG - BRASS FIRE COUPLING				PIN LUG - BRASS FIRE COUPLING			
		NPSH		NST		NPSH		NST		NPSH		NST	
ID	Length	PART #	PRICE	PART #	PRICE	PART #	PRICE	PART #	PRICE	PART #	PRICE	PART #	PRICE
1-1/2"	50'	80-0832035415AL		80-0832035410AL		80-0832035415		80-0832035410		80-0832035315		80-0832035310	
	100'	80-0831002035415AL		80-0831002035410AL		80-0831002035415		80-0831002035410		80-0831002035315		80-0831002035310	
2-1/2"	50'	80-0852035451AL		80-0852035445AL		80-0852035450		80-0852035445		80-0852035345		80-0852035355	
	100'	80-0851002035451AL		80-0851002035445AL		80-0851002035450		80-0851002035445		80-0851002035345		80-0851002035355	

SINGLE JACKET - 500 # TEST - UL APPOVED

EPDM LINED FIRE HOSE

		ROCKER LUG - ALUMINUM FIRE COUPLING				ROCKER LUG - BRASS FIRE COUPLING				PIN LUG - BRASS FIRE COUPLING			
		NPSH		NST		NPSH		NST		NPSH		NST	
ID	Length	PART #	PRICE	PART #	PRICE	PART #	PRICE	PART #	PRICE	PART #	PRICE	PART #	PRICE
1-1/2"	50'	80-075UL2035415AL		80-075UL2035410AL		80-075UL2035415		80-075UL2035410		80-075UL2035315		80-075UL2035310	
	100'	80-075UL1002035415AL		80-0751002035410AL		80-075UL1002035415		80-075UL1002035410		80-075UL1002035315		80-075UL1002035310	
2-1/2"	50'	80-077UL2035451AL		80-077UL2035445AL		80-077UL2035450		80-077UL2035445		80-077UL2035345		80-077UL2035355	
	100'	80-077UL1002035451AL		80-077UL1002035445AL		80-077UL1002035450		80-077UL1002035445		80-077UL1002035345		80-077UL1002035355	

DOUBLE JACKET - 600 # TEST

EPDM LINED FIRE HOSE

		PIN LUG - BRASS FIRE COUPLING				ROCKER LUG - BRASS FIRE COUPLING			
		NPSH		NST		NPSH		NST	
ID	Length	PART #	PRICE	PART #	PRICE	PART #	PRICE	PART #	PRICE
1-1/2"	50'	---		80-0022012110		80-0022015915		80-0022015910	
	100'	---		80-0021002012110		80-0021002015915		80-0021002015910	
2-1/2"	50'	---		80-1302012165		---		80-1302015953	
	100'	---		80-1301002012165		---		80-1301002015953	

DOUBLE JACKET - 800 # TEST

EPDM LINED FIRE HOSE

		PIN LUG - BRASS FIRE COUPLING				ROCKER LUG - BRASS FIRE COUPLING			
		NPSH		NST		NPSH		NST	
ID	Length	PART #	PRICE	PART #	PRICE	PART #	PRICE	PART #	PRICE
1-1/2"	50'	---		80-0042012110		80-0042015915		80-0042015910	
	100'	---		80-0041002012110		80-0041002015915		80-0041002015910	
2-1/2"	50'	---		80-1312012165		---		80-1312015953	
	100'	---		80-1311002012165		---		80-1311002015953	

NOVADURA SINGLE JACKET - 500 # TEST - RED

RED COATED FIRE HOSE

		ROCKER LUG - ALUMINUM FIRE COUPLING				ROCKER LUG - BRASS FIRE COUPLING				PIN LUG - BRASS FIRE COUPLING			
		NPSH		NST		NPSH		NST		NPSH		NST	
ID	Length	PART #	PRICE	PART #	PRICE	PART #	PRICE	PART #	PRICE	PART #	PRICE	PART #	PRICE
1-1/2"	50'	N1502035415AL		N1502035410AL		N1502035415		N1502035410		N1502035315		N1502035310	
	100'	N1501002035415AL		N1501002035410AL		N1501002035415		N1501002035410		N1501002035315		N1501002035310	
2-1/2"	50'	N2502035451AL		N2502035445AL		N2502035450		N2502035445		N2502035360		N2502035355	
	100'	N2501002035451AL		N2501002035445AL		N2501002035450		N2501002035445		N2501002035360		N2501002035355	

NOVADURA SINGLE JACKET - 500 # TEST - YELLOW

YELLOW COATED FIRE HOSE

		ROCKER LUG - ALUMINUM FIRE COUPLING				ROCKER LUG - BRASS FIRE COUPLING				PIN LUG - BRASS FIRE COUPLING			
		NPSH		NST		NPSH		NST		NPSH		NST	
ID	Length	PART #	PRICE	PART #	PRICE	PART #	PRICE	PART #	PRICE	PART #	PRICE	PART #	PRICE
1-1/2"	50'	NY1502035415AL		NY1502035410AL		NY1502035415		NY1502035410		NY1502035315		NY1502035310	
	100'	NY1501002035415AL		NY1501002035410AL		NY1501002035415		NY1501002035410		N1501002035315		N1501002035310	
2-1/2"	50'	NY2502035451AL		NY2502035445AL		NY2502035450		NY2502035445		NY2502035360		NY2502035355	
	100'	NY2501002035451AL		NY2501002035445AL		NY2501002035450		NY2501002035445		NY2501002035360		NY2501002035355	

PERMALINE - 500 # TEST - RED

NITRILE COVERED FIRE HOSE

		PIN LUG - BRASS FIRE COUPLING				ROCKER LUG - BRASS FIRE COUPLING			
		NPSH		NST		NPSH		NST	
ID	Length	PART #	PRICE	PART #	PRICE	PART #	PRICE	PART #	PRICE
1-1/2"	50'	P1502035315		P1502035310		P1502035415		P1502035410	
	100'	P1501002035315		P1501002035310		P1501002035415		P1501002035410	
2-1/2"	50'	P2502035360		P2502035355		P2502035450		P2502035445	
	100'	P2501002035360		P2501002035355		P2501002035450		P2501002035445	

PERMALINE - 500 # TEST - YELLOW

NITRILE COVERED FIRE HOSE

		PIN LUG - BRASS FIRE COUPLING				ROCKER LUG - BRASS FIRE COUPLING			
		NPSH		NST		NPSH		NST	
ID	Length	PART #	PRICE	PART #	PRICE	PART #	PRICE	PART #	PRICE
1-1/2"	50'	PY1502035315		PY1502035310		PY1502035415		PY1502035410	
	100'	PY1501002035315		PY1501002035310		PY1501002035415		PY1501002035410	
2-1/2"	50'	PY2502035360		PY2502035355		PY2502035450		PY2502035445	
	100'	PY2501002035360		PY2501002035355		PY2501002035450		PY2501002035445	

HOSES

CORROSION RESISTANCE OF COUPLING MATERIALS

CAUTION: The following data has been compiled from generally available sources end should not be relied upon without consulting and following the specific recommendations of the manufacturer regarding particular coupling materials.

RATINGS: 1. Excellent 2. Good 3. Fair Conditional x. Not Satisfactory **NOTES:** No rationg indicates no data available

AGENT	Mall. From Steel	Brass	Bronze	Aluminum	Glass	Stainless 410, 416, 430	Stainless 302, 202, 304, 308	Stainless 316	Monel
Acetate, Solvents, Crude		3				2	1	1	2
Acetate, Solvents, Pure		1	1	1		1	1	1	1
Acetic Acid	X	X	X	2	1	X	2	2	2
Acetic Acid Vapor	X	X		3		X	2	2	3
Acetic Anhydride	X	X		2		X	2	2	2
Acetone	1	1	1	1	1	1	1	1	1
Acetylene	1	2		1		1	1	1	2
Alcohols	1	2		1		1	1	1	1
Aluminum Sulfate	X	3	3	3	1	X	3	2	2
Alums	X	3	2	3	1	X	3	2	2
Ammonia Gas	1	X	3	1	3	1	1	1	X
Ammonium Chloride	1	3		1*		3	3	1	1
Ammonium Hydroxide	2	X		2		1	1	1	3
Ammonium Nitrate	1	X		2		1	1	1	3
Ammonium Phosphate (Ammoniacal)		X				1	1	1	2
Ammonium Phosphate (Neutral)		3				1	1	1	2
Ammonium Phosphate (Acid)		3				3	2	1	2
Ammonium Sulfate	1	3				2	1	1	2
Asphalt	1	2				2	1	1	1
Beer	2	2	1	1		X	1	1	1
Beet SugarLiquors	1	2		1		2	1	1	1
Benzene, Benzol	1	1	1	1	1	1	1	1	1
Benzine (petroleum-naphtha)	1	1		1		1	1	1	1
Borax	2	2				1	1	1	1
Boric Acid	X	3		1		3	2	1	1
Butane, Butylene	1	1	1	1		1	1	1	1
Butadiene		1				1	1	1	1
Calcium Bisulfate		X				X	2	1	X
Calcium Hypochlorite	3	3	3	X	3	X	3	2	3
Cane Sugar Liquors	1	2		1		2	1	1	1
Carbon Dioxide (Dry)	1	1		1		1	1	1	1
Carbon Dioxide (Wet & Aqueous Sol)	2	3		2		2	1	1	2
Carbon Disulfide	2	3		2		2	1	1	3
Carbon Tetrachloride	3	1	2	3	1	1	1	1	1
Chlorine (Dry)	2	2	2	1	2	2	2	2	1
Chlorine (Wet)	X	X	3	X	2	X	X	3	3
Chromic Acid		X	X	X	1	3	2	2	3
Citric Acid	X	3		1		3	X	1	2
Coke Oven Gas	1	3		2		1	1	1	2
Copper Sulfate	X	X		X		1	1	1	3
Core Oils		1	1			1	1	1	1
Cottonseed Oil	1	1	1	1		1	1	1	1
Creosote	2	3		1		1	1	1	1
Ethers	2	1		1		1	1	1	1
Ethylene Glycol	2	2				1	1	1	1
Ferric Chloride	X	X	X	X	1	X	X	X	X
Ferric Sulfate	X	X		X		1	1	1	3
Formaldehyde	2	2		2		1	1	1	1

*3 to X at high temperatures. Chemical Chart is reprinted from 1996 RMA Hose Handbook

TECHNICAL DATA

CORROSION RESISTANCE OF COUPLING MATERIALS

CAUTION: The following data has been compiled from generally available sources end should not be relied upon without consulting and following the specific recommendations of the manufacturer regarding particular coupling materials.

RATINGS: 1. Excellent 2. Good 3. Fair Conditional x. Not Satisfactory **NOTES:** No rationg indicates no data available

AGENT	Mall. From Steel	Brass	Bronze	Aluminum	Glass	Stainless 410, 416, 430	Stainless 302, 202, 304, 308	Stainless 316	Monel
Formic Acid	X	2		X		X	2	1	2
Freon	3	1	1	1		1	1	1	1
Furfural	1	2		1		1	1	1	1
Gasoline (Sour)	3	3		3		3	1	1	X
Gasoline (Refined)	1	1	1	1		1	1	1	1
Gelatin	1	3		1		1	1	1	1
Glucose	1	1		1		1	1	1	1
Glue	1	3		1		1	1	1	1
Glycerine or Glycerol	1	2		1		1	1	1	1
Hydrochloric Acid	X	X	X	X	1	X	X	X	X
Hydrocyanic Acid	3	X		1		3	1	1	2
Hydrofluoric Acid	X	3	3	X	X	X	X	X	X
Hydrogen Fluoride		3				X	X	3	1
Hydrogen	1	1		1		1	1	1	1
Hyrogen Peroxide	X	X		1		1	2	1	2
Hydrogen Sulfide (Dry)	3	3		2		3	2	1	3
Hydrogen Sulfide (Wet)	3	3		2		3	2	1	3
Lacquers and Lacquer Solvents	3	2		1		1	1	1	1
Lactic Acid	X			3			3	2	1
Lime-Sulfur	2	X		2		1	1	2	
Linseed Oil	1	1		1			1	1	1
Magnesium Chloride	3	3		X		3	2	1	1
Magnesium Hydroxide	1	2		X		1	1	1	1
Magnesium Sulfate	2	2		3		1	1	1	1
Mercuric Chloride	3	X		X		X	X	3	X
Mercury	1	X		X		1	1	1	2
Milk	3	3		1		2	1	1	3
Molasses	2	X		2		2	1	1	1
Natural Gas	1	2		1		1	1	1	1
Nickel Chloride		X		X		X	3	2	2
Nickel Sulfate		3		X		3	2	1	1
Nitric Acid	X	X	X	3	1	2	2	2	X
Oleic Acid	2	3		1		2	2	1	1
Oxalic Acid	3	3		2		3	2	1	1
Oxygen	1	1	1	1		1	1	1	1
Palmitic Acid	1	3		1		2	2	1	1
Petroleum Oils (Sour)		3				3	1	1	X
Petroleum Oils (Refined)	1	1	1	1		1	1	1	1
Phosphoric Acid 25%	3	X		3	3	X	3	1	2
Phosphoric Acid 25-50%	X	X		X	3	X	X	2	2
Phosphoric Acid 50-85%	X	X		X	X	X	X	2	2
Picric Acid	3	X		3		2	1	1	X
Potassium Chloride	2	3		3		3	2	1	1
Potassium Hydroxide	3	X		X		1	1	1	1
Potassium Sulfate	2	2		1		1	1	1	1
Propane	1	1				1	1	1	1
Rosin (Dark)	1	2			1	1	1	1	1
Rosin (Light)		X		1		1	1	1	2

*3 to X at high temperatures. Chemical Chart is reprinted from 1996 RMA Hose Handbook

CORROSION RESISTANCE OF COUPLING MATERIALS

CAUTION: The following data has been compiled from generally available sources end should not be relied upon without consulting and following the specific recommendations of the manufacturer regarding particular coupling materials.

RATINGS: 1. Excellent 2. Good 3. Fair Conditional x. Not Satisfactory **NOTES:** No rationg indicates no data available

AGENT	Mall. From Steel	Brass	Bronze	Aluminum	Glass	Stainless 410, 416, 430	Stainless 302, 202, 304, 308	Stainless 316	Monel
Shellac		2		2		1	1	1	1
Sludge Acid		X				X	X	3	2
Soda Ash (Sodium Carbonate)	1	2		X		1	1	1	1
Sodium Bicarbonate	3	1		X		1	1	1	1
Sodium Bisulfate	X	3		3		X	1	1	1
Sodium Chloride	2	3	2	X	1	3	2	1	1
Sodium Cyanide	2	X		X		1	1	1	2
Sodium Hydroxide	3	X	3	X	X	2	2	2	1
Sodium Hypochlorite	X	X		X		X	3	2	3
Sodium Metaphosphate	X	3		1		2	1	1	1
Sodium Nitrate	1	3		1		1	1	1	1
Sodium Perborate	3	3		1		1	1	1	1
Sodium Peroxide	3	3		1		1	1	1	1
Sodium Phosphate (Alkaline)		3				1	1	1	1
Sodium Phosphate (Neutral)		2				1	1	1	1
Sodium Phosphate (Acid)		2				X	2	1	1
Sodium Silicate	1	3		X		1	1	1	1
Sodium Sulfate	1	2		3		1	1	1	1
Sodium Sulfide	1	X				1	1	1	2
Sodium Thiosulfate (Hypo)	3	X		X		1	1	1	2
Stearic Acid	3	3		3		2	2	1	1
Sulfate Liquors		X				1	1	1	2
Sulfur	2	X		2		2	2	1	3
Sulfur Chloride	X	X				X	3	2	2
Sulfur Dioxide (Dry)	2	1		1		1	1	1	1
Sulfur Dioxide (Wet)		X				X	2	1	X
Sulfuric Acid 10%	X	X	3	3		X	X	2	2
Sulfuric Acid 10-75%	X	X	X	X		X	X	X	2
Sulfuric Acid 75-95%	3	X	X	X		3	3	2	3
Sulfuric Acid 95%	2	X	X			2	2	2	X
Surlfurous Acid	X	X		X		X	3	2	X
Tannic Acid	3	3	1	X			1	1	1
Tar	1	2		1		2	1	1	1
Toluene, Toluol	1	1		1		1	1	1	1
Trichlorethylene	3	1		3		1	1	1	1
Turpentine		3		1		3	1	1	1
Varnish	2	2				1	1	1	1
Vegetable Oils	1	2		1		1	1	1	1
Vinegar	3	3		3		3	2	1	2
Water (Acid Mine Water)	3	X		3		2	1	1	3
Water (Fresh)	3	1		1		1	1	1	1
Water (Salt)	3	3	2	X		3	2	2	1
Whiskey	X	2				3	1	1	2
Wines	X	2				3	1	1	2
Xylene, Xylol	2	1		1		1	1	1	1
Zinc Chloride	X	X		X		3	2	1	1
Zinc Sulfate	3	3		3		3	2	1	1

*3 to X at high temperatures.

Chemical Chart is reprinted from 1996 RMA Hose Handbook

TECHNICAL DATA

OIL & GASOLINE RESISTANCE

Rubber hose is used to convey petroleum products both in the crude and refined stages. The aromatic content of refined gasoline is often adjusted to control the octane rating. The presence of aromatic hydrocarbons in this fuel generally has a greater effect on rubber components than do aliphatic hydrocarbons. Aromatic materials in contact with rubber tend to soften it and reduce its physical properties. For long lasting service, the buyer of gasoline hose should inform the hose manufacturer of the aromatic content of the fuel to be handled so that the proper tube compound can be recommended for the specific application.

The effects of oil on rubber depend on a number of factors that include the type of rubber compound, the composition of the oil, the temperature and time of exposure. Rubber compounds can be classified as to their degree of oil resistance based on their physical properties after exposure to a standard test fluid. In this RMA classification, the rubber samples are immersed in IRM 903 oil at 100°C for 70 hours. (See ASTM Method D-471 for a detailed description of the oil and the testing procedure.) As a guide to the user of hose in contact with oil, the oil resistance classes and a corresponding description are listed.

PHYSICAL PROPERTIES AFTER EXPOSURE TO OIL:

		VOLUME CHANGE MAXIMUM	TENSILE STRENGTH RETAINED
CLASS A	(HIGH OIL RESISTANCE)……....	**+25%**	**80%**
CLASS B	(MEDIUM/HIGH OIL RESISTANCE)……....	**+65%**	**50%**
CLASS C	(MEDIUM OIL RESISTANCE)……....	**+100%**	**40%**

CHEMICAL RECOMMENDATIONS

The materials being handled by flexible rubber hose are constantly increasing in number and diversity. T o assist in the selection of the proper elastomer for the service conditions encountered, the following table has been prepared. The reader is cautioned that it is only a guide and should be used as such, as the degree of resistance of an elastomer with a particular fluid depends upon such variables as temperature, concentration, pressure, velocity of flow, duration of exposure, aeration, stability of the fluid, etc. Also variations in elastomer types and special compounding of stocks to meet specific service conditions have considerable influence on the results obtained. When in doubt, it is always advisable to test the tube compound under actual service conditions. If this is not practical, tests should be devised that simulate service condtions or the hose manufacturer contacted for Recommendations.

The following table lists the more commonly used materials, chemicals, solvents, oils, etc. The recommendation are based on room temperature and pressure conditions normally recommended for the particular type of hose being used. Where conditions beyond this can be met readily, they have been so indicated; where conditions are not normal and cannot be readily met, the hose manufacturer should always be consulted. The table does not imply conformance to the Food & Drug Administration requirements of Federal or State Laws when handling food products.

TABLE OF CHEMICAL, OIL & SOLVENT RESISTANCE OF HOSE:

WARNING: The following data has been compiled from generally available sources and should not be relied upon without consulting and following the hose manufacturer's specific chemical recommendations. Neglecting to do so might result in failure of the hose to fulfill its intended purpose, and may result in possible damage to property and serious bodily injury.

RESISTANCE RATING

A - Good Resistance, usually suitable for service.

F - Fair Resistance, the chemical has some deteriorative effects, but the elastomer is still adequate for moderate service.

C- Depends on Condition, moderate service may be possible if chemical exposure is limited or infrequent.

X- Not recommended, unsuitable for service.

I - Insufficient Information, not enough data available at the time of publication to determine rating.

RELASTOMERS/PLASTICS

NR- Natural Rubber
IR - Isoprene, synthetic
SBR - Styrene-butadiene
CR- Chloroprene
NBR - Nitrile-butadiene
IIR- Isobutene-isoprene
CSM - Chloro-sulfonyl-polyethylene
EPDM - Ethylene-propylene-diene-terpolymer
MQ - Dimethyl-polysiloxane
FKM- Fluoracarbon rubber
CM - Chloro-polyethylene
ECO/CO- Ephichlorohydrin
EXLPE- Chloro-sulfonyl-polyethylene

ELASTOMERS

Commonly used Elastomers: **Special Elastomers:**

MATERIAL	NR lor IR	SBR	CR	NBR	IIR	CSM	EPDM	MQ	FKM	CM	ECO CO	XLPE
	(Maximum Temperature 100° F (38°C) Unless Otherwise Specified											
Acetic Acid, Dilute, 10%	F	C	C	C	A	C	A	A	X	A	F	A
Glacial	C	X	X	X	F	C	F	F	X	A	X	A
Anhydride	C	C	F	F	F	A	I	C	X	A	X	A
Acetone	A	A	F	X	A	F	A	A	X	A	X	A
Acetylene	A	A	F	A	A	F	A	C	A	I	I	I
Air 150°F (65°C)	A	A	A	A	A	A	A	A		A	A	A
Aluminum Chloride 150°F (65°C)	A	A	A	A	A	A	A	A	A	A	A	A
Aluminum Fluoride 150°F (65°C)	A	A	A	A	A	A	A	F			A	A
Aluminum Sulfate 150°F (65°C)	A	A	A	A	A	A	A	A	A	A	I	A
Alums 150°F (65°C)	A	A	A	A	A	A	A	A		A	I	A
Ammonia Gas	A	A	A	A	A	A	A	A	X	A	I	A
Ammonium Chloride	A	A	A	A	A	A	A	C	A	A	A	A
Ammonium Hydroxide	C	F	F	F	A	A	A	A	A	A	I	A
Ammonium Nitrate	A	A	A	A	A	A	A	A		I	A	A
Ammonium Phosphate, monobasic	A	A	A	A	A	A	A	A		A	I	A
dibasic	A	A	A	A	A	A	A	A		I	I	A
tribasic	A	A	A	A	A	A	A	A		I	I	A
Ammonium Sulfate	A	A	A	A	A	A	A	A	A	A	I	A
Amyl Acetate	F	X	X	X	F	X	A	A	X	C	X	A
Amyl Alcohol	A	A	A	A	A	A	A	A	A	A	A	A
Aniline, Aniline Oil	X	X	C	X	A	X	C	C	A	C	X	A
Aniline Dyes	F	F	F	F	A	F	C	C			I	I
Asphalt	X	X	F	F	X	F	X		A		A	X
Barium Chloride 150°F (65°C)	A	A	A	A	A	A	A	A	A	A	A	A
Barium Hydroxide 150°F (65°C)	A	A	A	A	A	A	A	A	A	A	A	A
Barium Sulfide 150°F (65°C)	A	A	A	A	A	A	A	A	A	I	A	A
Beer	A	A	A	A	A	A	A	A	A	I	A	A
Beet Sugar Liquors	A	A	A	A	A	A	A	A	A	I	I	A
Benzene, Benzol	X	X	X	C	X	X	X	C	A	C	X	A
Benzine, petroleum ether and												
Benzine, petroleum naphtha	X	X	C	F	X	F	X	C	A		I	A
Black Sulfate Liquor	A	A	A	A	A	A	A	A		I	I	A
Blast Furnace Gas	C	C	A	C	C	C	C	C	A	I	I	A
Borax	A	A	A	A	A	A	A	A	A	I	I	A
Boric Acid	A	A	A	A	A	A	A	A	A	I	A	A
Bromine	X	X	X	X	X	C	X	F	A	C		F
Butane	X	X	F	A	X	A	X	A	A	A	A	A
Butyl Acetate	C	X	X	X	F	X	F	A	X	F	X	A
Butyl alcohol, butanol	A	A	A	A	A	A	A	A	A	F	I	A
Calcium bisulfate	C	C	A	A	F	A	F	C	A	A	I	A
Calcium chloride	A	A	A	A	A	A	A	A	A	A	A	A
Calcium hydroxide	A	A	A	A	A	A	A	A	A	A	A	A
Calcium hypochlorite	X	X	X	X	A	F	A	C	A	A	F	F
Caliche liquors	A	A	A	A	A	A	A				I	A
Cane sugar liquors	A	A	A	A	A	A	A	A	A	A	A	A
Carbolic acid, phenol	C	C	C	C	C	C	A	A	A	A		A

Chart is reprinted from 1996 RMA Hose Handbook

TECHNICAL DATA

ELASTOMERS

Commonly used Elastomers: **Special Elastomers:**

MATERIAL	NR lor IR	SBR	CR	NBR	IIR	CSM	EPDM	MQ	FKM	CM	ECO CO	XLPE
	(Maximum Temperature 100° F (38°C) Unless Otherwise Specified											
Carbon dioxide, dry/wet	A	A	A	A	A	A	A	A	A	A	A	A
Carbon disulfide	X	X	X	X	X	X	X	C	A	C		C
Carbon monoxide 150°C (65°C)	C	C	C	C	C	F	C	A	A	I		A
Carbon tetrachloride	X	X	X	C	X	X	X	C	A	C	F	A
Castor oil	A	A	A	A	A	A	A	A	A	A	A	A
Cellosolve acetate	F	F	X	X	A		A	C	C			A
CFC-12	X	X	A	A	F		F	X	A		A	I
China wood oil, tung oil	X	X	F	A	A	F	A	A	C		I	A
Chlorine, dry/wet	X	X	X	X	X	X	X	X	C	X	X	F
Chlorinated solvents	X	X	X	X	X	X	X	C	C	C		A
Chloroacetic acid	X	C	C	C	X	A	I	C	X			A
Chlorosulfonic acid	X	X	C	C	X	X	X	C	X			F
Chromic acid	X	X	X	X	C	A	I	C	C	A		F
Citric acid	A	A	A	F	A	A	A	A	A	A	A	A
Coke oven gas	C	C	C	C	C	A		A	X	A	X	C
Copper chloride 150°F (65°C)	C	A	F	A	A	F	A	A	A	A	I	A
Copper sulfate 150°F (65°C)	C	A	A	A	F	A	A	A	A	A	A	A
Corn oil	X	C	F	A	A	F	C	A	A	A	A	A
Cottonseed oil	X	C	F	A	A	F	C	A	A	A	I	A
Creosote, coal tar	X	X	F	A	X	F	X	C	F		X	A
Wood	X	X	F	A	X		X	C	A			A
Creosols, cresylic acid	C	X	X	C	C	F	X	C		F		A
Ethers	C	C	C	C	C	F	X	C	X	A		A
Ethyl acetate	F	X	X	X	F	X	F	F	X	F	X	A
Ethyl alcohol	A	A	A	A	A	A	A	A	A	A	A	A
Ethyl cellulose	F	F	F	F	F		F	C	X	F		A
Ethyl chloride	A	F	F	X	A	F	A	C	F	F	F	F
Ethylene glycol	A	A	A	A	A	A	A	A	A	A	A	A
Ferric chloride 150°F (65°C)	A	A	A	A	A	A	A	A	I	A	A	A
Ferric Sulfate 150°F (65°C)	A	A	A	A	A	A	A	A	A	A	A	A
Formaldehyde	A	A	C	A	A	A	A	A	A	A	F	A
Formic acid	A	A	C	F	A	A	A	A	X	A	F	F
Fuel oil	X	X	A	A	X	F	X	C	A	F	A	A
Furfural	X	C	C	X	A	F	C	C	X	A	X	A
Gasoline, Non Leaded	X	X	X	A	X	X	X		A	C	A	A
Gasoline, + MTBE	X	X	X	A	X	X	X	C	A	C	A	A
Hi-test-+ MTBE	X	X	X	A	X	X	X	C	A	C	A	A
Gelatin	A	A	A	A	A	A	A	A	A		A	A
Glucose	A	A	A	A	A	A	A	A	A		A	A
Glue	F	F	A	A	F	A	A	A	C		A	A
Glycerine, glycerol	A	A	A	A	A	A	A	A	A	A	A	A
Green sulfate liquor	A	A	A	A	A	A	A	A	A	A	A	A
HFC-134A	F	X	A	A	A	F	A		X	F		A

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ELASTOMERS

Commonly used Elastomers: **Special Elastomers:**

MATERIAL	NR lor IR	SBR	CR	NBR	IIR	CSM	EPDM	MQ	FKM	CM	ECO CO	XLPE
	(Maximum Temperature 100° F (38°C) Unless Otherwise Specified											
Hydraulic fluids												
Petroleum	X	X	A	A	X	F	X			A	A	
Phosphate ester alkyl	X	X	C	X	A	X	A			A	X	
Phosphate ester arly	X	X	X	X	C	X	C			C	X	
Phosphate ester blends		X	X	X	X	X	X	C			C	X
Silicate ester	X	X	C	C	X	C	X			C	C	
Water-Glycol	A	A	A	A	A	A	A		A	A	A	
Hydrobromic acid	C	X	C	C	A	A	A	C	A	A		I
Hydrochloric acid	A	X	X	X	C	C	C	C	A	A	X	A
Hydrocyanic acid	F	F	C	F	C	A	C	A	A			A
Hydrofluoric acid	X	X	X	X	C	A	C	X	A	A		A
Hydrofluosilicic acid	A	F	F	F	A		A	A	A	A		I
Hydrogen Gas	F	F	A	A	A		A	A	A		A	A
Hydrogen peroxide	X	X	C	C	C	C	C	A	A	A		I
Hydrogen sulfide, dry	C	C	F	C	A	A	A	C	F			A
wet	C	C	F	C	A	A	A	C	C		F	A
Kerosene	X	X	F	A	X	C	X	C	A	A	A	A
Lacquers	X	X	X	X	C	X	X		X		X	F
Lacquers solvents	X	X	X	X	C	X	X		X		X	F
Lactic acid	C	C	C	C	C	A	C	A	A			A
Linseed oil	C	X	F	A	A	A	A	A	A	A	A	A
Lubricating oil, crude	X	X	F	A	X	C	X	C	A		A	A
refined	X	X	F	A	X	C	X	C		A	A	A
Magnesium chloride 150°F (65°C)	A	A	A	A	A	A	A	A	A	A	A	A
Magnesium hydroxide 150°F (65°C)	A	F	F	F	A	A	A	F	A	A	A	A
Magnesium sulfate 150°F (65°C)	A	A	A	A	A	A	A	A	A	A	A	A
Mercuric chloride	F	F	C	F	A	A	A	A	A		A	A
Mercury	A	A	A	A	A	A	A	A	A		A	A
Methyl alcohol, methanol	A	A	A	A	A	A	A	A	C	A	F	A
Methyl chloride	C	C	C	C	C	X	C	X	A			F
Methyl ethly ketone	X	X	X	X	F	C	A	C	X	C	X	A
Methyl isopropyl ketone	X	X	X	X	F	C	C	C	X	F	X	A
MTBE												A
Milk	C	C	F	F	A	A	A	A	A	A	A	A
Mineral oils	X	C	F	A	X	F	X	A	A	A	A	A
Natural gas	C	C	A	A	C	A	X	C	A	A	A	A
Nickel chloride 150°F (65°C)	A	A	A	A	A	A	A	A	A	A	I	A
Nickel sulfate 150°F (65°C)	A	A	A	A	A	A	A	A	A	A	I	A
Nitric acid, crude	X	X	X	X	C	C	X	X	C	A	X	F
Diluted 10%	X	X	C	X	C	C	X	X	C	A	X	F
Concentrated 70%	X	X	X	X	C	C	X	X	C	X	X	F
Nitrobenzene	X	X	X	X	X	X	X	C	F	C	X	A
Oleic acid	X	F	C	F	F	F	F	A	C	A		A
Oleum spirits	X	C	C	C			I		C			I

Chart is reprinted from 1996 RMA Hose Handbook

TECHNICAL DATA

ELASTOMERS

Commonly used Elastomers: **Special Elastomers:**

MATERIAL	NR lor IR	SBR	CR	NBR	IIR	CSM	EPDM	MQ	FKM	CM	ECO CO	XLPE
	(Maximum Temperature 100° F (38°C) Unless Otherwise Specified											
Oxalic acid	F	C	F	F	A	A	A	A	A	A	F	A
Oxygen	F	C	A	C	A		A	A	A	A	F	A
Palmitic acid	X	F	A	A	F	F	F	C	A	A	F	A
Perchlorethylene	X	X	X	C	X	X	X	C	A	C	F	A
Petroleum oils and crude 200°F (95°C)	X	X	F	A	X	C	X	C	A	C	F	A
Phosphoric acid, crude	A	C	C	C	C	A	C	C	A	A		A
pure 45%	A	C	C	C	C	A	C	C	A	A		I
Picric acid, molten	C	C	C	C	C		I					I
water solution	A	C	F	F	A	A	I	A	A			I
Potassium chloride	A	A	A	A	A	A	A	A	A	A	A	A
Potassium cyanide	A	A	A	A	A	A	A	A	A	A	A	A
Potassium hydroxide	F	F	C	C	A	A	A	A	C	A	A	A
Potassium sulfate	A	A	A	A	A	A	A	A	A	A	A	A
Propane	X	X	F	A	X	F	X	A	A	A	A	A
Sewage	C	C	F	A	C	A	C	C	A		I	A
Soap solutions	A	A	F	A	A	A	A	A	A	A	A	A
Soda ash, sodium carbonate	A	A	A	A	A	A	A	A	A	A	A	A
Sodium bicarbonate, baking soda	A	A	A	A	A	A	A	A	A	A	A	A
Sodium bisulfate	A	A	A	A	A	A	A	A	A	A	A	A
Sodium chloride	A	A	A	A	A	A	A	A	A	A	A	A
Sodium cyanide	A	A	A	A	A	A	A	A	A	A	A	A
Sodium hydroxide	F	F	C	C	A	C	A	A	C	A	F	A
Sodium hypochlorite	X	X	X	X	A	F	A	C	A	A	F	F
Sodium metaphosphate	A	A	C	A	A	F	A	A	A	A	I	A
Sodium nitrate	C	C	C	C	A	A	A	C		A	A	A
Sodium perborate	C	C	C	C	A	A	A	A	A			A
Sodium peroxide	C	C	C	C	A	A	A	C	A			A
Sodium phosphate.monobasic	A	F	C	F	A	A	A	A	A	A		A
dibasic	A	F	C	F	A	A	A	A				A
tribasic	A	F	C	F	A	A	A	A				A
Sodium silicate	A	A	A	A	A	A	A	A	A	A	I	A
Sodium sulfate	A	A	A	A	A	A	A	A	A	A	A	A
Sodium sulfide	A	A	A	A	A	A	A	A	A	A	I	A
Sodium thiosulfate, “hypo”	A	A	A	A	A	A	A	A	A	A	I	A
Soybean oil	X	C	F	A	A	A	A	A	A	A	A	A
Stannic chloride	A	A	A	A	F	A	F	A	A	A	I	A
Steam 450°F (230°C)	C	C	C	C	A	A	F	C	X		X	X
Stearic acid	X	X	C	F	F	C	F	A	I		F	A
Sulfur	F	F	A	F	A	A	A	F	A		F	C
Sulfur chloride	X	X	C	C	X	A	X	C	A			A
Sulfur dioxide , dry	C	C	C	C	C	A	C	A	A		I	I
Sulfur trioxide, dry	X	C	C	C	C	F	C	A	A			I
Sulfuric acid, 10%	A	A	A	A	A	A	A	A	A	A	A	A

Chart is reprinted from 1996 RMA Hose Handbook

TECHNICAL DATA

ELASTOMERS

Commonly used Elastomers: **Special Elastomers:**

MATERIAL	NR lor IR	SBR	CR	NBR	IIR	CSM	EPDM	MQ	FKM	CM	ECO CO	XLPE
	(Maximum Temperature 100° F (38°C) Unless Otherwise Specified											
11%-75%	C	C	C	C	F	A	C	C	A	A	F	A
76%-95%	X	X	X	X	C	A	X	X	A	X	X	A
fuming	X	X	X	X	X	X	X	X	X	X	X	X
Sulfurous acid	C	C	C	C	C	A	C	C	A	A	C	A
Tannic acid	A	C	A	C	A	A	A	A	A	A	I	A
Tar	X	X	C	C	X	C	X	C	F		F	X
Tartaric acid	A	C	C	C	F	A	F	A	A	A	F	A
Toluene, toluol	X	X	X	C	X	X	X	C	A	C	X	A
Trichloroethylene	X	X	X	X	X	X	X	C	A	C	X	A
Turpentine	X	X	X	F	X	X	X	C	A	F	A	A
Vinegar	C	C	C	C	A	A	A	A	A	A		A
Water, acid mine	A	A	C	A	A	A	A	A	A	A	I	A
Water, fresh	A	A	C	A	A	A	A	A	A	A	A	A
distilled	A	A	C	A	A	A	A	A	A	A	A	A
Whiskey and wines	A	A	A	C	A	A	A	A	A	A	I	A
Xylene.xylol	X	X	X	C	X	X	X	C	A	X	X	A
Zinc chloride	C	C	C	C	A	A	A	A	A	A	I	A
Zinc sulfate	A	A	A	A	A	A	A	A	A	A	I	A

NOZZLES - SPECS

Nozzle Style & Size	Inlet PSI	Pressure KPA	Straight GPM	Stream IPM	30 GPM	30 IPM	60 GPM	60 IPM	90 GPM	90 IPM
	50	345	18	68	21	79	24	91	27	102
10464	75	517	22	83	25	95	28	106	32	121
1”	100	690	24	91	28	106	32	121	36	136
	50	345	45	170	50	189	55	208	60	227
10464	75	517	50	189	55	208	65	246	75	284
1-1/2”	100	690	55	208	60	227	75	284	85	322
	50	345	90	341	120	454	130	492	145	549
10464	75	517	100	379	140	530	150	568	180	681
2-1/2”	100	690	110	416	165	625	180	681	205	776

Threads Per Inch				
1-1/2” Size	2.100 (NYFD)	1.990 (NST)	2.093 (NYCORP)	1.878 (NPSH)

Threads Per Inch				
	6”	7”	7-1/2”	8”
	3.058	3.13	2.990 (CHICAGO)	3.062
	3.093		3.062 (NST)	3.093
	3.125		3.125 (DETROIT)	3.140
	3.156			3.156
2-1/2”	3.187			3.312
	3.234			3.031 (NYFD)
	3.250			3.00 (NY CORP)
	3.312			2.841 (NPSH)
	3.062 (PITTSBURGH)			3.78 (CLEVELAND)

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