

# Chemical Hose

## Novaflex 4600 FEP Chemical Transfer Hose



Recommended for the transfer of products that require a hose tube with the highest level of chemical resistance. The FEP Teflon® tube will provide that extra margin of safety with a white chemical resistant back up rubber stock for high adhesions. FEP transfer hose is excellent for tank truck, barge loading, storage tank transfer and in plant applications requiring flexibility and durability.

### Construction:

Tube: FEP

Reinforcement: Multiple plies of polyester tire cord with helix wire

Cover: Blue EPDM (available in red, black, gray, yellow, green, white with 400ft. order)

Couplings: Use only permanently attached couplings designed for Teflon® type tube hoses

Temperature Range: -30° to 300°F dependant on chemical conveyed. Consult chemical resistant chart.

Not for steam service, can be open end steam cleaned

Part No.	I.D.	O.D.	Plies	MBR (in)	Vacuum HG	WP psi	WT LBS/FT
4600CF-00500-00	1/2	0.96	2	3	29"	500	0.3
4600CF-00750-00	3/4	1.20	2	3.5	29"	500	0.45
4600CF-01000-00	1	1.46	2	3.5	29"	450	0.57
4600CF-01500-00	1 1/2	1.95	2	8.5	29"	350	0.8
4600CF-02000-00	2	2.57	2	10	29"	300	1.42
4600CF-03000-00	3	3.69	2	25	29"	200	3.32

Non-stock orders - (other color hose covers red, green, black, purple, orange, yellow, white, gray) are available and require a 400ft minimum order per I.D.

Meets or exceeds the requirements of FDA & USDA under 21 CFR 177, 1550, 3-A sanitary standards 20-15.

## Novaflex 4700 UHMW Chemical Suction & Discharge Hose

A lightweight flexible chemical transfer hose designed for almost every common industrial chemical used in industry today. Non-staining UHMW tube.



### WARNING!!\*

### Construction:

Tube: Clear Ultra High Molecular Weight polyethylene.  
Reinforcement: Multiple plies of high tensile textile with dual helix

Cover: Green abrasion resistant green EPDM (Available in red, blue, yellow black and grey, white & orange - with 400ft order)

Length: 100 ft.

Temperature Range: up to -40°F to +250°F.

Consult chemical resistant chart

Not for steam service, can be open end steam cleaned

Part No.	I.D.	O.D.	Plies	MBR (in)	Vacuum HG	WP psi	WT LBS/FT
4700CU-07500-00	3/4	1.19	2	3.5	29"	200	0.58
4700CU-01000-00	1	1.47	2	4	29"	200	0.63
4700CU-01500-00	1 1/2	2.08	2	4	29"	200	1.06
4700CU-02000-00	2	2.58	2	6	29"	200	1.33
4700CU-02500-00	2 1/2	3.03	2	7	29"	200	1.78
4700CU-03000-00	3	3.61	2	9	29"	200	2.12
4700CU-04000-00	4	4.61	2	10	29"	200	2.83

Non-stock orders - (other color hose covers red, blue, black, purple, orange, yellow, white, gray) are available and require a 400ft minimum order per I.D.

**\*WARNING!** Elevated temperatures can change the chemical resistance rating of 4700. Check the chemical resistance charts published by Novaflex to verify that the chemical to be transferred is rated for use with the UHMWP tube at the temperature & concentrations listed. Most chemicals become more aggressive the higher the temperature, reducing the ability of the tube material to withstand them. Compatibility information is available from Novaflex. If no data exists, it is the users responsibility to determine if the hose is compatible with the chemical to be transferred.

**Never use Novaflex 4700 above the ratings listed by Novaflex.**

## Novaflex 4705 UHMW Crush & Kink Resistant Chemical Hose

Special kink and crush resistant version of 4700 design utilizing a multi-ply construction with dual special monofilament helix rods.



Excellent for use in those demanding abusive transfer applications. To utilize the maximum temperature rating of the hose always permanently attach couplings

### WARNING!!\*

### Construction:

Tube: Ultra high molecular weight polyethylene.

Reinforcement: Multiple plies of tire cord with dual monofilament helix.

Cover: Green EPDM rubber.

Length: 100 ft.

Temperature Range: -40°F to 180°F. (May be used at 212°F intermittent. Consult chemical resistant chart.

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Part No.	I.D.	O.D.	MBR (in)	VAC (Hg)	Plies	WP psi	WT LBS/FT
470500750-00	3/4	1.26	4	Full	2	200	0.40
470501000-00	1	1.50	4	Full	2	200	0.49
470501500-00	1 1/2	2.00	5	Full	2	200	0.64
470500750-00	2	2.66	8	Full	2	200	1.28
470500750-00	3	3.67	10	Full	2	200	1.92

**\*WARNING!** Elevated temperatures can change the chemical resistance rating of 4705. Check the chemical resistance charts published by Novaflex to verify that the chemical to be transferred is rated for use with the UHMWP tube at the temperature & concentrations listed. Most chemicals become more aggressive the higher the temperature, reducing the ability of the tube material to withstand them. Compatibility information is available from Novaflex. If no data exists, it is the users responsibility to determine if the hose is compatible with the chemical to be transferred.

**Never use Novaflex 4705 above the ratings listed by Novaflex.**

# Chemical Hose

## Novaflex 4800/4878

Novaflex 4800 Red Smooth Nitrile Cover  
Novaflex 4878 Black Smooth Nitrile Cover



### Viton Acid Suction Hose

Recommended for transfer of acid, solvents and chemicals either by pressure or gravity flow. Used as chemical conducting hose for loading tank cars, transport trucks and storage tanks.

#### Construction:

Tube: Viton® chemical and heat resistant rubber

Reinforcement: Plies of polyester tire cord with helix wire

Cover: Smooth black weather and abrasion resistant nitrile rubber

Length: 100 ft.

Temperature Range: -20°F to +250°F

Consult chemical resistance chart.

Not for steam service, can be open end steam cleaned

Part No.	I.D.	O.D.	Plies	WP psi	WT LBS/FT
XXXXBV-01000-00	1	1.51	2	200	0.69
XXXXBV-01250-00	1¼	1.76	2	200	0.83
XXXXBV-01500-00	1½	2.05	2	200	1.06
XXXXBV-02000-00	2	2.56	2	200	1.42
XXXXBV-02500-00	2½	3.06	2	200	1.73
XXXXBV-03000-00	3	3.60	2	200	2.21
XXXXBV-04000-00	4	4.67	4	200	3.46

## Novaflex 4801/4879

### Viton® Acid Discharge Hose



Novaflex 4801 Red Smooth Nitrile Cover

Novaflex 4879 Black Smooth Nitrile Cover

Used as a chemical conducting discharge hose for highly corrosive chemicals.

#### Construction:

Tube: Viton® chemical and heat resistant rubber.

Reinforcement: Plies of polyester tire cord.

Cover: Black, weather resistant nitrile rubber.

Length: 100 ft.

Temperature Range: -20°F to +250°F

Consult chemical resistance chart.

Not for steam service, can be open end steam cleaned

Part No.	I.D.	O.D.	Plies	WP psi	WT LBS/FT
XXXXBV-01000-00	1	1.55	2	200	0.60
XXXXBV-01250-00	1¼	1.80	2	200	0.73
XXXXBV-01500-00	1½	2.10	2	200	0.86
XXXXBV-02000-00	2	2.70	4	200	1.38
XXXXBV-02500-00	2½	3.32	4	200	1.69
XXXXBV-03000-00	3	3.79	4	200	1.99
XXXXBV-04000-00	4	4.84	4	150	3.07

\*Viton® is a registered trade mark of DuPont

# Chemical Hose

## Novaflex 4200 EPDM Chemical Suction Hose



A medium duty chemical suction and discharge hose designed to meet the general needs of the industry.

### Construction:

Tube: Black high grade EPDM

Reinforcement: Multiple plies of tired cord with dual helix wire

Cover: Blue EPDM

Length: 100 ft.

Temperature Range: -30°F to 225°F

Consult chemical resistance chart.

Not for steam service, can be open end steam cleaned

Part No.	I.D.	O.D.	Plies	Vacuum HG	WP psi	WT LBS/FT
4200BE-01000-00	1	1.49	2	29"	150	0.59
4200BE-01250-00	1¼	2.77	2	29"	150	0.81
4200BE-01500-00	1½	2.01	2	29"	150	1.02
4200BE-02000-00	2	2.54	2	29"	150	1.52
4200BE-02500-00	2½	3.05	2	29"	150	1.84
4200BE-03000-00	3	3.55	2	29"	150	2.45
4200BE-04000-00	4	4.65	4	29"	150	3.55

## Novaflex 4201 EPDM Chemical Discharge Hose



A high quality discharge hose designed to transfer common chemicals found in industrial service.

### Construction:

Tube: Black high grade EPDM

Reinforcement: Multiple plies of tired cord with dual helix wire

Cover: Blue EPDM

Length: 100 ft.

Temperature Range: -30°F to 225°F

Consult chemical resistance chart before use.

Not for steam service, can be open end steam cleaned

Part No.	I.D.	O.D.	Plies	WP psi	WT LBS/FT
4201BE-01000-00	1	1.45	2	150	0.41
4201BE-01250-00	1¼	1.70	2	150	0.53
4201BE-01500-00	1½	1.95	2	150	0.63
4201BE-02000-00	2	2.57	4	150	1.02
4201BE-03000-00	3	3.57	4	150	1.47