

# Versilon™ PSTLCT

## Smooth EPDM Covered Fluoropolymer Hose

### Smooth Outer

Versilon PSTLCT flexible hose solves a long-standing problem associated with cleaning the rough surface of any hose covered with EPDM rubber. PSTLCT's EPDM outer surface achieves close to a 20 Ra rating, enabling you to quickly and easily remove dirt on the hose cover with a wet cloth and enhancing the overall cleanliness of your operation.

### Smooth Inner

The FEP fluoropolymer liner used in Versilon PSTLCT has been the top choice in the process industry for many years. The high purity, ultra-smooth inner bore surface of the hose prevents virtually all material entrapment and bacteria build-up, meeting the stringent sanitary standards required in critical processing applications such as pharmaceutical, biopharmaceutical, chemical process lines. The inner tube's superb chemical resistance minimizes the corrosive effects of transferred media, enabling PSTLCT to deliver exceptional flow rates over the life of the hose.

### Features and Benefits

- Ultra smooth OD surface
- Easy to clean
- Smooth ID when bent
- Excellent bend radius
- Kink resistant
- Sterilizable and autoclavable
- Non-aging liner
- Full vacuum rated
- Super chemical resistant

### Typical Applications

- Load cells
- Skid transfer
- Pumping stations/portable pumps
- Vessel or tank transfer
- Rail car loading/unloading
- Transfer lines
- CIP
- Chemical process lines

### Regulatory Compliance

- Inner Tube  
The FEP inner tube extracts meet the requirements of USP Plastic Class VI  
The FEP inner tube material meets the requirements of FDA 21 CFR 177.1550\*
- Hose Assembly  
3-A Sanitary Standard 62-02

\*Use restrictions and limitations may apply.

## PSTLCT Hose Specifications

Part Number	Inside Diameter		Outside Diameter		Maximum Working Pressure		Minimum Burst Pressure		Minimum Bend Radius		Vacuum Hg @ 70°F		Weight	
	(in)	(mm)	(in)	(mm)	(psi)	(MPa)	(psi)	(MPa)	(in)	(mm)	(in)	(mm)	(lb/ft)	(kg/m)
3808PSTLCT	1/2	12.7	1.00	25.4	500	3.45	2,100	14.48	2.50	63.5	29.9	760	0.42	0.63
3812PSTLCT	3/4	19.1	1.30	33.0	500	3.45	2,100	14.48	3.25	82.6	29.9	760	0.59	0.88
3816PSTLCT	1	25.4	1.56	39.6	450	3.10	1,800	12.41	4.75	120.7	29.9	760	0.75	1.12
3820PSTLCT	1-1/4	31.8	1.78	45.2	320	2.21	1,600	11.03	7.00	177.8	29.9	760	0.91	1.35
3824PSTLCT	1-1/2	38.1	2.13	54.1	300	2.07	1,350	9.31	9.00	228.6	29.9	760	1.21	1.80
3832PSTLCT	2	50.8	2.68	68.1	250	1.72	1,200	8.27	11.50	292.1	29.9	760	1.70	2.53
3840PSTLCT	2-1/2	63.5	3.16	80.3	200	1.38	900	6.21	18.00	457.2	29.9	760	2.00	2.98
3848PSTLCT	3	76.2	3.69	93.7	150	1.03	700	4.83	22.00	558.8	29.9	760	2.52	3.75
3864PSTLCT	4	101.6	4.69	119.1	150	1.03	600	4.14	34.00	863.6	29.9	760	3.79	5.64

### ⚠ Important:

**Burst pressure** ratings at ambient 70°F (21°C). See applicable notes below on vacuum/pressure ratings at temperatures other than ambient.

**Working Pressure** is given at 70°F; decrease working pressure 1% for every 2°F above 212°F.

**Vacuum Rating** is given at 70°F; decrease vacuum rating 1% for every 2°F above 212°F. For 1-1/4" and larger sizes, vacuum rating decreases when installed less than 2X minimum bend radius.

**Flare-Thru fittings are pressure rated only. Not rated for vacuum service.**

**Extended Service Life Tip:** Saint-Gobain suggests using full-length anti-kink armor casing or at least 16" to 24" long anti-kink cuffs at each fitting end to help reduce the strain on the crimp collar and fittings in high load installations. Prolonged service at elevated temperatures will reduce total service life.

NOTE: Weights and outside diameter dimensions are nominal. Data given is for hose only. End fitting vs. hose pressure limitations must be considered and the lower of the two ratings must be used on assemblies.

## Construction

Inner Tube:	FEP			
Cover:	Smooth EPDM rubber			
Reinforcement:	Multiple polyester plycord and EPDM rubber Double helix, high tensile strength carbon steel wire			
Color:	Light gray with a white layline in gray lettering Special colors available with minimum order quantities Consult factory for details			
Temperature Rating:	-40°F to +350°F -40°C to +177°C			
Maximum Length:*	1/2"	3/4"	1"	1-1/4"
	100'	100'	100'	100'
	2"	2-1/2"	3"	4"
	100'	60'	60'	30'

\* Consult factory for maximum length by size for flare-thru fittings.

## Fitting Options

### Versilon Crimp Style Fittings

- Over 40 styles of stocked crimp-style fittings in a wide range of materials
- Standard: 316L stainless steel (wetted surfaces)

### Versilon Flare-Thru Fittings

- Available in 150 lb. swivel style flanges, female cam and groove (locking and non-locking swivel style, 316 stainless steel body)

## Common Media

- Hydrofluoric acid
- Hydrochloric acid
- Sulfuric acid
- Paint

Limited Warranty: For a period of 6 months from the date of first sale, Saint-Gobain Performance Plastics Corporation warrants this product(s) to be free from defects in manufacturing. Our only obligation will be to provide replacement product for any portion proving defective, or at our option, to refund the purchase price thereof. User assumes all other risks, if any, including the risk of injury, loss or damage, whether direct or consequential, arising out of the use, misuse, or inability to use this product(s). SAINT-GOBAIN DISCLAIMS ANY AND ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.



Saint-Gobain Performance Plastics  
210 Harmony Road  
Mickleton, NJ 08056  
1-800-435-3992

www.processsystems.saint-gobain.com



NOTE: Saint-Gobain Performance Plastics Corporation does not assume any responsibility or liability for any advice furnished by it, or for the performance or results of any installation or use of the product(s) or of any final product into which the product(s) may be incorporated by the purchaser and/or user. The purchaser and/or user should perform its own tests to determine the suitability and fitness of the product(s) for the particular purpose desired in any given situation.

Versilon™ is a trademark of Saint-Gobain Performance Plastics.