

VERSILON[™] FPD100-HP SILICONE HOSE

Versilon[®] FPD Hose

FOUR-PLY POLYESTER BRAID REINFORCED SILICONE HOSE

Versilon[®] FPD platinum-cured silicone hose is reinforced with a four-ply polyester braid for excellent durability and flexibility in demanding applications where higher pressures are a consideration. This construction features a slight vacuum rating without a stainless steel wire reinforcement.

FPD hose resists temperature extremes, ozone, corona, radiation, moisture, compression sets, weathering and chemical attack. FPD hose imparts no taste or odors to fluids being transferred, is totally sterilizable and withstands repeated autoclaving.

Suitable for cosmetics, personal care, food and beverage and a number of other sanitary applications, FPD hose is manufactured from the finest grade of silicone materials and is tested to meet USP Class VI criteria, 3-A standards and is compliant with FDA 21CFR 177.2600.

Typical Applications

- Cosmetics
- Personal care
- Cleaning chemicals
- Food and beverage
- Dairy
- Instrumentation

Features and Benefits

- Extremely flexible and extra durable
- Outstanding pressure-rating strength
- Suitable for Clean-In-Place (CIP) and Steam-In-Place (SIP)
- Totally sterilizable and autoclavable
- Imparts no taste or odor
- Versatile applications

Regulatory Compliance

- Compliant with FDA 21CFR 177.2600
- 3-A Sanitary Standard 62-02
- US Pharmacopeia Class VI



Versilon® FPD Hose

Versilon® FPD Hose Specifications

Part Number	Inside Diameter		Outside Diameter		Maximum Working Pressure		Minimum Bend Radius		Weight	
	(in)	(mm)	(in)	(mm)	(psi)	(MPa)	(in)	(mm)	(lb/ft)	(kg/m)
FPD050-HP	1/2	12.7	29/32	23.0	140	0.97	8.00	203.2	0.23	0.34
FPD075-HP	3/4	19.1	1-5/32	29.4	125	0.86	10.00	254.0	0.30	0.45
FPD100-HP	1	25.4	1-13/32	35.7	110	0.76	12.00	304.8	0.38	0.57
FPD150-HP	1-1/2	38.1	1-29/32	48.4	100	0.69	-	-	0.52	0.77
FPD200-HP	2	50.8	2-13/32	61.1	100	0.69	-	-	0.73	1.09
FPD250-HP	2-1/2	63.5	2-29/32	73.8	75	0.52	-	-	0.89	1.32
FPD300-HP	3	76.2	3-13/32	86.5	50	0.34	-	-	0.95	1.41

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. Pressure ratings are shown at ambient temperature (68°F). As temperature increases, working pressure and vacuum ratings will decrease. Contact factory for recommendations for assembly applications that exceed 250°F. **Minimum order 12 ft.**

Construction

Inner Tube:	Platinum-cured silicone
Cover:	Silicone
Reinforcement:	Four-ply polyester braid
Color:	Translucent white with black lettering
Temperature Rating:	-80°F to +350°F -62°C to +177°C
Maximum Length:	12 feet (all sizes)

Fitting Options

Versilon ReSeal® Reusable Fittings

- Available in 5 standard end styles (Other end styles available)
- Stems are manufactured from grade 316L stainless steel with an average interior surface finish as low as 15Ra (Electropolished and polymer stems available)
- Hose sleeves are available in either high impact polymer or stainless steel

Versilon® Crimp Style Fittings

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

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.

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