

Versilon™ FGR Hose

Food Grade Rubber Hose

Versilon FGR was specially engineered with flexibility and resilience to excel in the demanding conditions of food processing plants. The hose can withstand rough handling and high temperatures in a variety of applications.

Multiple fabric reinforcements along with a single-helix galvanized carbon steel wire facilitate static grounding and enable the hose to flex easily, withstand vacuum and stand up to higher pressures.

The white nitrile-PVC blend inner tube is an excellent material for chemical resistance and it reduces the risk for taste/odor adulteration of fine food and beverage products.

When flexibility and multipurpose uses are required, the best food grade rubber hose is Versilon FGR.

Features and Benefits

- Premium quality sanitary suction and discharge hose
- Cover and reinforcements designed to withstand harsh environments
- Specially designed to handle oil-based materials
- Designed to reduce risk of taste and odor adulteration of food
- Handles a wide variety of products
- Extremely durable and flexible
- Full vacuum rating
- High pressure rating
- Custom laylines available

Typical Applications

- Ground meat
- Bulk foods
- Process transfer
- Washdown stations
- Hot CIP transfers
- Load cell connections
- Pump vibration damping

Regulatory Compliance

- Compliant with FDA 21CFR 177.2600
- USDA
- 3-A Sanitary Standard 62-02

FGR Hose Specifications

Part Number	Inside Diameter		Outside Diameter		Maximum Working Pressure*		Minimum Burst Pressure		Minimum Bend Radius**		Vacuum Hg		Weight	
	(in)	(mm)	(in)	(mm)	(psi)	(MPa)	(psi)	(MPa)	(in)	(mm)	(in)	(mm)	(lb/ft)	(kg/m)
HOSFGR-08	0.50	12.7	0.97	24.6	400	2.76	1,650	11.38	1.50	38.1	29.9	760	0.38	0.56
HOSFGR-12	0.75	19.1	1.27	32.3	375	2.59	1,500	10.34	2.00	50.8	29.9	760	0.55	0.82
HOSFGR-16	1.00	25.4	1.52	38.6	350	2.41	1,450	10.00	3.00	76.2	29.9	760	0.69	1.02
HOSFGR-24	1.50	38.1	2.02	51.3	300	2.07	1,200	8.27	4.00	101.6	29.9	760	0.98	1.46
HOSFGR-32	2.00	50.8	2.52	64.0	250	1.72	1,050	7.24	4.50	114.3	29.9	760	1.26	1.88
HOSFGR-40	2.50	63.5	3.14	79.8	150	1.03	700	4.83	6.00	152.4	29.9	760	1.97	2.93
HOSFGR-48	3.00	76.2	3.65	92.7	150	1.03	600	4.14	7.00	177.8	29.9	760	2.37	3.52
HOSFGR-64	4.00	101.6	4.67	118.6	150	1.03	600	4.14	10.00	254.0	29.9	760	3.32	4.95

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.

* Based on ambient condition on exterior of hose. Elevated temperatures and characteristics of medium being transferred can affect working pressures and burst pressures.

** Measured on the inner surface of the curved portion. Data is based on static applications. For dynamic or cyclic applications, consult factory.

Construction

Inner Tube:	White nitrile-PVC blend
Cover:	EPDM
Reinforcement:	Galvanized carbon steel helix wire
Color:	Gray with a red layline in gray lettering
Temperature Rating:	-40°F to +250°F -40°C to +121°C
Maximum Length:	100 feet (all sizes)

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)

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

1600 Cottontail Lane
Somerset, NJ 08873

1-800-435-3992
Tel: (732) 652-0910
Fax: (732) 764-3871

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.