

Pure-Fit® FGR

Food grade rubber hose

Features/Benefits

- Premium quality sanitary suction and discharge hose
- Cover and reinforcements designed to withstand harsh environments
- Specially designed to handle oil-based materials
- Imparts no taste or odor
- 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

Available End Connections

- PermaSeal® crimp-style fittings
- Over 40 fitting styles available in a wide range of materials
- 316L stainless steel standard material of construction



Flexible Multi-Purpose Food Grade Rubber Hose

The flexibility and tough construction of Pure-Fit® FGR were specially designed for 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 stainless steel wire enable the hose to flex easily, withstand vacuum, stand up to higher pressures and facilitate static grounding.

Our white nitrile-PVC blend inner tube is an FDA-approved material with excellent chemical resistance. It will not impart any taste or odor.

When flexibility and FDA-approved multi-purpose uses are required, the best food grade rubber hose is Pure-Fit® FGR.



PureFit® FGR Hose Specifications

Part Number	Inside Diameter		Outside Diameter		Max.* Working Pressure	Min. Bend Radius**		Vacuum	Min. Burst Pressure	Weight
	in.	mm.	in.	mm.	PSI	in.	mm.	in HG	PSI	lb./ft.
HOSFGR-08	.500	12.7	.972	24.7	400	1.5	38.1	29.9	1650	0.4
HOSFGR-12	.750	19.1	1.268	32.2	375	2.0	50.8	29.9	1500	0.5
HOSFGR-16	1.000	25.4	1.518	38.6	350	3.0	76.2	29.9	1450	0.6
HOSFGR-24	1.500	38.1	2.020	51.3	300	4.0	101.6	29.9	1200	0.9
HOSFGR-32	2.000	50.8	2.520	64.0	250	4.5	114.3	29.9	1050	1.3
HOSFGR-40	2.500	63.5	3.138	79.7	150	6.0	152.4	29.9	700	1.9
HOSFGR-48	3.000	76.2	3.650	92.7	150	7.0	177.8	29.9	600	2.3
HOSFGR-64	4.000	101.6	4.670	118.6	150	10.0	254.0	29.9	600	3.1

* 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.

Industry Approvals and Compliances

- FDA
- USDA
- 3-A

Construction

- Inner tube: white nitrile-PVC blend
- Cover: EPDM with stainless steel helix wire reinforcement

Temperature Rating

- -40°F to +250°F
- -40°C to +121°C

Maximum Length

- 100 feet (all sizes)

Distributed By:

Saint-Gobain Performance Plastics

460 Milltown Road
 Bridgewater, NJ 08807
 Tel: (800) 435-3992
 Fax: (908) 575-0459



Our products are manufactured under a quality management system registered and complying with 3-A Sanitary Standards where noted and with ISO 9001:2000, which has been independently certified by BVQI.

PermaSeal® and Pure-Fit® are registered trademarks.

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 PERFORMANCE PLASTICS DISCLAIMS ANY AND ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

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.

