

P1FGR

FOOD GRADE RUBBER



Introduction

Explore P1FGR, a cutting-edge rubber hose designed to meet the diverse needs of the food processing, oil mill, and dairy industries. Purity One™ hoses are meticulously crafted to provide optimal performance in a wide range of high purity applications. With a focus on quality, durability, functionality, and customer service, these hoses ensure reliable fluid handling and transport.

Features

- NBR/PVC Rubber Hose
- Temperature range: -20°C to +96°C, 76°F to 500°F
- Sterilizable by autoclave, CIP, and SIP
- Purity One™ hose traceable with serial and lot numbers
- Purity One™ labeling system available
- 1-year warranty
- Purity One™ hose measuring system (available upon request)
- 24-hour emergency service available

Applications

- Rubber hose specifically designed to convey milk, milk products, and fatty foodstuff in general
- Ideal for water and glycol applications in the biotech and pharmaceutical industries
- Suction and delivery hose

Construction

TUBE

- NBR/PVC rubber (code 56BI), light color
- Mirror-smooth

REINFORCEMENT

- Piles of synthetic cord, embedded steel helix wire, embedded copper wires

COVER

- EPDM rubber, grey color, abrasion, ozone and weather resistant, smooth, cloth finish

Certifications

- Purity One™ Certificate of Conformance and test results with each order
- Compliance: FDA standards, 3-A Sanitary Standards n.18-03 Class II
- Free from animal derived ingredients, phthalates, adipates, nitrosamines

Fittings

- Sanitary, EP
- Flange
- Pipe Thread
- Cam Lock
- Quick Disconnects
- Others (available upon request)

PRODUCT NUMBER	NOMINAL I.D.		O.D.		WALL THICKNESS		WORKING PRESSURE AT 70°F (21.1°C)		BURST PRESSURE AT 70°F (21.1°C)		VACUUM		MINIMUM BEND RADIUS		WEIGHT		MAXIMUM LENGTH
	(in.)	(mm)	(in.)	(mm)	(in.)	(mm)	(psi)	(bar)	(psi)	(bar)	(psi)	(bar)	(in.)	(mm)	(kg/m)	(lb/ft)	(m)
(P1FGR)																	
P1FGR-0500	0.50	13	0.98	25	0.236	6.0	392	27	1566	108	-13.05	-0.9	2.75	70	0.60	0.40	40
P1FGR-0750	0.75	19	1.30	32	0.256	6.5	363	25	1450	100	-13.05	-0.9	3.94	100	0.70	0.47	40
P1FGR-1000	1.00	25	1.50	38	0.256	6.5	348	24	1392	96	-13.05	-0.9	4.72	120	0.90	0.60	40
P1FGR-1500	1.50	38	2.01	51	0.256	6.5	290	20	1160	80	-13.05	-0.9	7.87	200	1.45	0.97	40
P1FGR-2000	2.00	51	2.52	64	0.256	6.5	247	17	986	68	-13.05	-0.9	11.81	300	2.35	1.58	40
P1FGR-2500	2.50	63.5	3.13	79.5	0.315	8.0	145	10	580	40	-13.05	-0.9	15.75	400	3.10	2.08	40
P1FGR-3000	3.00	76	3.62	92	0.315	8.0	145	10	580	40	-13.05	-0.9	19.69	500	3.70	2.49	40
P1FGR-4000	4.00	102	4.69	119	0.335	8.5	145	10	580	40	-13.05	-0.9	27.91	700	5.40	3.63	40