

P1SB

PLATINUM-CURED BRAIDED SILICONE HOSE



VIEW P1SB ON WEBSITE

Introduction

Explore P1SB, a cutting-edge platinum-cured silicone hose designed to meet the diverse needs of the food, pharmaceutical, biotech, and cosmetic 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

- Biopharmaceutical grade platinum-cured silicone
- Temperature range: -100°F (-73.3°C) to 400°F (204.4°C)
- Resists temperature extremes, compression set, chemical attack, moisture and environmental exposure
- It may be washed with any mild detergents
- Sterilizable by autoclave, CIP, SIP, and Gamma Irradiation
- 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

Fittings

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

Applications

- Silicone hose for delivery of high purity products, food products, and fluids with alcohol content up to 96%
- Normally used in pharmaceutical, food, and cosmetic industries
- CIP, SIP, Process Applications

Construction

TUBE

- Platinum-cured silicone rubber, pharmaceutical and food quality, light color, odorless and tasteless, mirror smooth

REINFORCEMENT

- Piles of synthetic cord.

COVER

- Platinum-cured silicone rubber, pharmaceutical and food quality, light color, odorless and tasteless, mirror smooth

Certifications

- Purity One™ Certificate of Conformance and test results with each order
- In Compliance; FDA, EU Food, USP Class VI, EN;16643 & Material Certification
- Free from animal-derived ingredients, phthalates, adipates, nitrosamines

PRODUCT NUMBER	NOMINAL I.D.		O.D.		WORKING PRESSURE AT 70°F (21.1°C)		BURST PRESSURE AT 70°F (21.1°C)		MINIMUM BEND RADIUS		WEIGHT		MAXIMUM LENGTH
	(in.)	(mm)	(in.)	(mm)	(psi)	(bar)	(psi)	(bar)	(in)	(mm)	(gr/m)	(lb/ft)	(m)
(P1SB)													
P1SB-0250	0.250	6.35	0.513	13.03	217.56	15	652.67	45	1.57	40	124	0.08	25
P1SB-0375	0.375	9.52	0.643	16.32	174.05	12	522.14	36	1.97	50	175	0.12	25
P1SB-0500	0.500	12.70	0.791	20.10	145.04	10	435.11	30	2.56	65	237	0.16	25
P1SB-0750	0.750	19.05	1.099	27.91	116.03	8	348.09	24	3.15	80	415	0.28	25
P1SB-1000	1.000	25.40	1.358	34.50	72.52	5	217.56	15	4.72	120	513	0.34	10