

BioPure

Silicone transfer tubing

FEATURES AND BENEFITS

- Safe, reliable and value-based fluid transfer solution
- Manufactured and packed in an ISO 14644-1 Class 7 cleanroom
- USP Class VI, EP 3.1.9 compliant and animal derived component free
- Validation pack, including extractable profiles and USP <85> Bacterial Endotoxin testing
- Autoclavable and gamma stable up to 50kGy



DESCRIPTION

BioPure silicone transfer tubing provides a value-based solution in critical bioprocess fluid transfer applications. Complete with a comprehensive validation pack, including extractable profiles and USP <85> Bacterial Endotoxin testing, BioPure silicone transfer tubing is simple to integrate throughout your bioprocess. The tubing can be supplied with laser etched lot numbering for full traceability.

TECHNICAL DATA

Silicone transfer tubing	Typical Values
Material	Platinum-cured silicone
Colour/transparency	Translucent
Biocompatibility	USP <88> Class VI EP 3.1.9 ISO 10993-5,6,10,11
Operating temperature	-65 °C to 254 °C (-85 °F to 490 °F)
Hardness Shore A (5 sec)	50
Specific gravity g/ml	1.14
Ultimate tensile strength Psi	1200
Elongation at break %	400
UV resistance	High

ASTM methods Hardness: ASTM D 2240;
Specific gravity: ASTM D 792; Tear B, Ultimate tensile strength,
Elongation at break, Tensile stress at 100% elongation; ASTM D 412

ID	OD	Burst pressure	Maximum operating pressure
mm (inch)	mm (inch)	bar (psi)	bar (psi)
3.2 (0.125)	6.4 (0.250)	2.1 (30)	0.7 (10)
3.2 (0.125)	8.0 (0.312)	5.5 (80)	1.9 (27)
3.2 (0.125)	9.6 (0.375)	8.3 (120)	2.8 (40)
4.8 (0.187)	8.0 (0.312)	4.1 (60)	1.4 (20)
4.8 (0.187)	9.6 (0.375)	5.9 (85)	1.9 (28)

ID	OD	Burst pressure	Maximum operating pressure
mm (inch)	mm (inch)	bar (psi)	bar (psi)
4.8 (0.187)	11.2 (0.437)	7.2 (105)	2.4 (35)
6.4 (0.250)	9.6 (0.375)	2.4 (35)	0.8 (12)
6.4 (0.250)	11.2 (0.437)	3.4 (50)	1.2 (17)
6.4 (0.250)	12.7 (0.500)	4.2 (61)	1.4 (20)
8.0 (0.312)	11.2 (0.437)	2.2 (32)	0.8 (11)
8.0 (0.312)	12.7 (0.500)	3.2 (47)	1.1 (16)
8.0 (0.312)	14.3 (0.562)	4.3 (63)	1.4 (21)
9.6 (0.375)	12.7 (0.500)	2.3 (34)	0.8 (11)
9.6 (0.375)	14.3 (0.562)	2.9 (42)	1.0 (14)
9.6 (0.375)	15.9 (0.625)	3.4 (49)	1.1 (16)
12.7 (0.500)	15.9 (0.625)	2.2 (32)	0.8 (11)
12.7 (0.500)	17.5 (0.687)	2.9 (42)	1.0 (14)
12.7 (0.500)	19.0 (0.750)	3.3 (48)	1.1 (16)
15.9 (0.625)	22.2 (0.875)	2.3 (34)	0.8 (11)
15.9 (0.625)	25.4 (1.000)	3.3 (48)	1.1 (16)
19.0 (0.750)	25.4 (1.000)	2.5 (36)	0.8 (12)
19.0 (0.750)	28.6 (1.125)	2.9 (42)	1.0 (14)
25.4 (1.000)	31.2 (1.250)	1.9 (27)	0.6 (9)
25.4 (1.000)	34.9 (1.375)	2.2 (32)	0.8 (11)
25.4 (1.000)	38.1 (1.500)	2.7 (39)	0.9 (13)

ORDER INFORMATION

ID	OD	Coil size		
		30 m (100 ft)	15 m (50 ft)	7.6 m (25 ft)
3.2 (0.125)	6.4 (0.250)	BPS-0125-0250-100	BPS-0125-0250-50	—
3.2 (0.125)	8.0 (0.312)	BPS-0125-0312-100	BPS-0125-0312-50	—
3.2 (0.125)	9.6 (0.375)	BPS-0125-0375-100	BPS-0125-0375-50	—
4.8 (0.187)	8.0 (0.312)	BPS-0187-0312-100	BPS-0187-0312-50	—
4.8 (0.187)	9.6 (0.375)	BPS-0187-0375-100	BPS-0187-0375-50	—
4.8 (0.187)	11.2 (0.437)	BPS-0187-0437-100	BPS-0187-0437-50	—
6.4 (0.250)	9.6 (0.375)	BPS-0250-0375-100	BPS-0250-0375-50	—
6.4 (0.250)	11.2 (0.437)	BPS-0250-0437-100	BPS-0250-0437-50	—
6.4 (0.250)	12.7 (0.500)	BPS-0250-0500-100	BPS-0250-0500-50	—
8.0 (0.312)	11.2 (0.437)	BPS-0312-0437-100	BPS-0312-0437-50	—
8.0 (0.312)	12.7 (0.500)	BPS-0312-0500-100	BPS-0312-0500-50	—
8.0 (0.312)	14.3 (0.562)	BPS-0312-0562-100	BPS-0312-0562-50	—
9.6 (0.375)	12.7 (0.500)	BPS-0375-0500-100	BPS-0375-0500-50	—
9.6 (0.375)	14.3 (0.562)	BPS-0375-0562-100	BPS-0375-0562-50	—
9.6 (0.375)	15.9 (0.625)	BPS-0375-0625-100	BPS-0375-0625-50	—
12.7 (0.500)	15.9 (0.625)	—	BPS-0500-0625-50	BPS-0500-0625-25
12.7 (0.500)	17.5 (0.687)	—	BPS-0500-0687-50	BPS-0500-0687-25
12.7 (0.500)	19.0 (0.750)	—	BPS-0500-0750-50	BPS-0500-0750-25
15.9 (0.625)	22.2 (0.875)	—	BPS-0625-0875-50	BPS-0625-0875-25
15.9 (0.625)	25.4 (1.000)	—	BPS-0625-1000-50	BPS-0625-1000-25
19.0 (0.750)	25.4 (1.000)	—	BPS-0750-1000-50	BPS-0750-1000-25
19.0 (0.750)	28.6 (1.125)	—	BPS-0750-1125-50	BPS-0750-1125-25
25.4 (1.000)	31.2 (1.250)	—	BPS-1000-1250-50	BPS-1000-1250-25
25.4 (1.000)	34.9 (1.375)	—	BPS-1000-1375-50	BPS-1000-1375-25
25.4 (1.000)	38.1 (1.500)	—	BPS-1000-1500-50	BPS-1000-1500-25

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