Silicone transfer tubing

Silicone transfer tubing

Features and benefits

- Safe, reliable and value-based general purpose fluid transfer solution
- Manufactured and packed in an ISO 14644-1 Class 7 cleanroom
- Comprehensive stock of a wide range of sizes
- Validation pack, including extractable profiles and USP <85> Bacterial Endotoxin testing
- Autoclavable to 121 ºC and gamma stable up to 50 kGY

Technical specifications

	Silicone transfer tubing
Bore size	0.125 - 1 in (3.2 - 25.4 mm)
External diameter	0.25 - 1.5 in (6.4 - 38.1 mm)
Transparency	Translucent
Certification and compliance	ADCF, ISO 10993, ISO Class 7, Ph. Eur. 3.1.9, TOC, USP Class VI
Hardness, shore A (5sec)	50
Specific gravity	1.14 g/cm³
UV resistance	High
Burst pressure	27 - 120 psi (1.9 - 8.3 bar)
Max. operating pressure	40 psi (2.8 bar)
Elongation at break	400 %
Shelf life	5 years
Gamma stability	25 to 50kGy
Autoclave stability	121 °C 30 minutes

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
Max operating pressure is dependent on tube size

Materials of construction

	Silicone transfer tubing
Material	Platinum-cured silicone

Product codes

I.D.	O.D.	Coil size		
mm (inch)	mm (inch)	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