

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 °C and gamma stable up to 50 kGy



Technical specifications

	Silicone transfer tubing
Bore size	3.2 - 25.4 mm
Bore size	0.125 - 1 in
External diameter	6.4 - 38.1 mm
External diameter	0.25 - 1.5 in
Length	7.6 - 30 m
Length	25 - 100 Ft
Transparency	Translucent
Certification and compliance	ADCF, ISO 10993, ISO Class 7, Ph. Eur. 3.1.9, TOC, USP Class VI
Operating temperature range	-65 to 254 °C
Operating temperature range	-85 to 490 °F
Hardness, shore A (5sec)	50
Specific gravity	1.14 g/cm ³
UV resistance	High
Burst pressure	1.9 - 8.3 bar
Burst pressure	27 - 120 psi
Ultimate tensile strength	8.3 MPa
Ultimate tensile strength	1200 psi
Max. operating pressure	2.8 bar
Max. operating pressure	40 psi
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		
		30 m (100 ft)	15 m (50 ft)	7.6 m (25 ft)
mm (inch)	mm (inch)			
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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