

# 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 compliant and animal derived component free (ADCF).
- Lot numbering enables product traceability
- Autoclavable and gamma stable up to 50kGy



## DESCRIPTION

Meeting the needs of a broad range of fluid transfer applications, this flexible and reliable silicone tubing provides a value-based solution for bioprocessing and clinical diagnostic reagents applications.

## 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	-65C to 254C (-85F to 490F)
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		
		15m (50ft)	30m (100ft)	7.6m (25ft)
3.2 (0.125)	6.4 (0.250)	BPS-0125-0250-50	BPS-0125-0250-100	—
3.2 (0.125)	8.0 (0.312)	BPS-0125-0312-50	BPS-0125-0312-100	—
3.2 (0.125)	9.6 (0.375)	BPS-0125-0375-50	BPS-0125-0375-100	—
4.8 (0.187)	8.0 (0.312)	BPS-0187-0312-50	BPS-0187-0312-100	—
4.8 (0.187)	9.6 (0.375)	BPS-0187-0375-50	BPS-0187-0375-100	—
4.8 (0.187)	11.2 (0.437)	BPS-0187-0437-50	BPS-0187-0437-100	—
6.4 (0.250)	9.6 (0.375)	BPS-0250-0375-50	BPS-0250-0375-100	—
6.4 (0.250)	11.2 (0.437)	BPS-0250-0437-50	BPS-0250-0437-100	—
6.4 (0.250)	12.7 (0.500)	BPS-0250-0500-50	BPS-0250-0500-100	—
8.0 (0.312)	11.2 (0.437)	BPS-0312-0437-50	BPS-0312-0437-100	—
8.0 (0.312)	12.7 (0.500)	BPS-0312-0500-50	BPS-0312-0500-100	—
8.0 (0.312)	14.3 (0.562)	BPS-0312-0562-50	BPS-0312-0562-100	—
9.6 (0.375)	12.7 (0.500)	BPS-0375-0500-50	BPS-0375-0500-100	—
9.6 (0.375)	14.3 (0.562)	BPS-0375-0562-50	BPS-0375-0562-100	—
9.6 (0.375)	15.9 (0.625)	BPS-0375-0625-50	BPS-0375-0625-100	—
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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