



ATM SPT 80 Tubing

Silicone Tubing for High Pressure Applications

ATM SPT 80 is a premium platinum-cured silicone tubing designed for highburst pressure and vacuum applications

This high-durometer tubing surpasses typical silicone tubing in pressure resistance, eliminating the need for costly braid reinforcements in some cases. ATM SPT 80 offers best-in-class performance, achieving the highest burst pressure ratings among comparable products, while remaining vacuum compatible and cost-effective.

Some applications, such as fill-finish operations, require fluid transfer systems that minimize pulsations downstream of pumping. ATM SPT 80 delivers two to three times less pulsation than competing high durometer tubings. Less pulsation can aid in achieving very high filling and dosing accuracy while avoiding unintended loss of fluid at the filling needle.

Many tubings, especially braid-reinforced products, are opaque and difficult to see through. ATM SPT 80 tubing offers a high level of transparency for easy visual identification of activity within the fluid path. This property greatly assists in applications which require visual cues and observation for success.

Regulations

ATM SPT 80 is manufactured in an ISO Class 7 cleanroom from platinum-cured silicone materials and tested to a variety of specifications, including the items below:

- ADCF/BSE/TSE statements
- USP Class VI
- ISO 10993-5
- EP 3.1.9



► Benefits

- Higher burst pressure than typical fluid transfer tubing
- Increased flow rates
- Does not collapse in vacuum conditions
- High level of transparency
- Reduces pulsation downstream of pumping
- Full extractables report
- Technical dossier available

► Typical Applications

- Fill finish fluid transfer
- Pressurized fluid transfer
- Hydrostatic pressure from large stainless steel vessels
- Sterile filtration integrity test / PUPSIT
- High-viscosity concentrated flow streams

► Sterilization Methods

- Autoclavable
- Irradiation (gamma and x-ray) - up to 50 kGy
- Gas – ethylene oxide

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Typical Physical Properties

Property	ASTM Method	Target Value
Durometer Hardness, Shore A:	D2240	83 nominal
Tensile Strength:	D412	> 700 psi
Elongation:	D412	> 300 %
Specific Gravity:	D792	1.19

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Standard Sizes

ID	OD	Wall	Burst Pressure	Bend Radius	Vacuum Rating
0,8 mm	2.4 mm	0.8 mm	35.2 bar	5.3 mm	> 29.9 inHg
0.8 mm	4.0 mm	1.6 mm	43.8 bar	8.6 mm	> 29.9 inHg
1.6 mm	4.8 mm	1.6 mm	34.7 bar	7.1 mm	> 29.9 inHg
1.6 mm	6.4 mm	2.4 mm	40.9 bar	6.1 mm	> 29.9 inHg
3.2 mm	6.4 mm	1.6 mm	22.0 bar	5.6 mm	> 29.9 inHg
3.2 mm	8.0 mm	2.4 mm	29.7 bar	3.8 mm	> 29.9 inHg
3.2 mm	9.5 mm	3.2 mm	34.9 bar	5.8 mm	> 29.9 inHg
4.8 mm	8.0 mm	1.6 mm	17.7 bar	10.9 mm	> 29.9 inHg
4.8 mm	9.5 mm	2.4 mm	24.3 bar	8.6 mm	> 29.9 inHg
4.8 mm	11.1 mm	3.2 mm	29.0 bar	7.1 mm	> 29.9 inHg
6.4 mm	9.5 mm	1.6 mm	13.9 bar	17.8 mm	> 29.9 inHg
6.4 mm	11.1 mm	2.4 mm	19.4 bar	13.7 mm	> 29.9 inHg
6.4 mm	12.7 mm	3.2 mm	23.0 bar	10.7 mm	> 29.9 inHg
8.0 mm	12.7 mm	2.4 mm	14.9 bar	22.1 mm	> 29.9 inHg
8.0 mm	14.3 mm	3.2 mm	20.3 bar	16.8 mm	> 29.9 inHg
9.5 mm	12.7 mm	1.6 mm	9.7 bar	35.1 mm	> 29.9 inHg
9.5 mm	14.3 mm	2.4 mm	14.3 bar	27.4 mm	> 29.9 inHg
9.5 mm	15.9 mm	3.2 mm	18.3 bar	22.4 mm	> 29.9 inHg
12.7 mm	17.5 mm	2.4 mm	11.2 bar	43.7 mm	> 29.9 inHg
12.7 mm	19.1 mm	3.2 mm	14.1 bar	35.5 mm	> 29.9 inHg
12.7 mm	22.2 mm	4.8 mm	19.4 bar	32.0 mm	> 29.9 inHg
15.9 mm	22.2 mm	3.2 mm	11.8 bar	54.6 mm	> 29.9 inHg
15.9 mm	25.4 mm	4.8 mm	15.9 bar	44.5 mm	> 29.9 inHg
19.1 mm	25.4 mm	3.2 mm	8.8 bar	74.4 mm	> 29.9 inHg
19.1 mm	28.6 mm	4.8 mm	11.9 bar	62.2 mm	> 29.9 inHg
22.2 mm	31.8 mm	4.8 mm	12.4 bar	78.7 mm	> 29.9 inHg
25.4 mm	34.9 mm	4.8 mm	10.1 bar	93.2 mm	> 29.9 inHg

► Similar Products



Tygon® Tubing



Sanitary Connectors



Extruded Silicone Profiles