



ATM SPT 80 D 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 D offers best-in-class performance, achieving the highest burst pressure ratings among comparable products, while remaining vacuumcompatible and cost-effective.

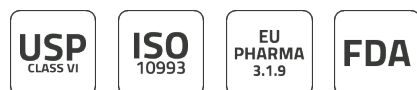
Some applications, such as fill-finish operations, require fluid transfer systems that minimize pulsations downstream of pumping. ATM SPT 80 D delivers two to three times less pulsation than competing high durometer tubings. Less pulsation can aid in achieving very high filling and dosing accuracy while 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 D 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 D 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
- FDA for food contact
- FDA 21 CFR 177.2600



Benefits

- Excellent flexibility and high kink resistance
- No impaired taste or odor
- Wide temperature range
- High level of transparency
- No organic plasticizers, phthalates or latex additives
- Easily sterilized
- Low extractables
- Validation guide 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 - 30 min at 120 °C
- Irradiation (gamma and x-ray) - up to 50 kGy
- Gas – ethylene oxide

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Typical Physical Properties

Property	ASTM Method	Value
Durometer Hardness, Shore A:	D2240	80
Tensile Strength:	D412	1020 psi
Elongation at break:	D412	> 300 %
Tear Strength:	D624	1.19

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Standard Sizes

ID	OD	Wall	Burst Pressure
3,2 mm	6,4 mm	1,6 mm	13,2 bar
4,8 mm	8,0 mm	1,6 mm	12,9 bar
4,8 mm	9,5 mm	2,4 mm	17,0 bar
6,4 mm	9,5 mm	1,6 mm	10,6 bar
6,4 mm	11,1 mm	2,4 mm	13,8 bar
6,4 mm	12,7 mm	3,2 mm	17,5 bar
8,0 mm	12,7 mm	2,4 mm	12,0 bar
9,5 mm	12,7 mm	1,6 mm	7,1 bar
9,5 mm	14,3 mm	2,4 mm	10,6 bar
9,5 mm	15,9 mm	3,2 mm	13,2 bar
12,7 mm	17,5 mm	2,4 mm	8,1 bar
12,7 mm	19,1 mm	3,2 mm	10,1 bar
15,9 mm	22,2 mm	3,2 mm	8,5 bar
19,1 mm	25,4 mm	3,2 mm	7,5 bar

ATM has the capacity to customize the product to the customer's specific needs, including custom sizes, tolerances and markings. For more information please contact ATM's commercial department.

Please note that ATM SPT 80 D is not intended as implant material and should not be used as such.

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Sanitary Connectors



Extruded Silicone Profiles