

Versilon[®] SPT-50 Tubing

PLATINUM-CURED, SILICONE TUBING

Versilon[®] SPT-50 tubing was developed for transferring high-purity liquids in a variety of production applications. Versilon[®] SPT-50 tubing as an unsurpassed level of inner surface smoothness, which inhibits protein binding and bacterial growth and allows for easy sterilization and sanitation. Additionally, the smooth inner diameter of Versilon[®] SPT-50 silicone tubing improves fluid flow characteristics by reducing the peaks and valleys on the inner surface topography.

Peristaltic pump tubing is a key component in many laboratory and manufacturing applications. Versilon[®] SPT-50 tubing's non-tacky outer surface dramatically increases pump life, giving you the flexibility to have longer production cycles and minimizing the risk of pump tube failures in your processes. Versilon[®] SPT-50 tubing is manufactured and packaged in a state-of-the-art clean room environment with complete lot control from raw material receipt through final product shipments.

Typical Applications

- High temperature filling
- Peristaltic pumping
- Food processing

Features and Benefits

- Excellent flexibility and bend radius
- Minimal extractables
- Tear resistant
- Superior inner surface smoothness
- Imparts no taste or odors
- Extremely stable over wide temperature ranges
- Excellent peristaltic pump life
- Manufactured in a clean room environment

Regulatory Compliance

- FDA Regulation 21 CFR 177.2600
- NSF-51_g Certification



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Part Number	ID (in)	OD (in)	Wall Thickness (in)
SPT50 - .031 X .094	1/32	3/32	1/32
SPT50 - .063 X .125	1/16	1/8	1/32
SPT50 - .063 X .188	1/16	3/16	1/16
SPT50 - .094 X .156	3/32	5/32	1/32
SPT50 - .094 X .219	3/32	7/32	1/16
SPT50 - .125 X .188	1/8	3/16	1/32
SPT50 - .125 X .250	1/8	1/4	1/16
SPT50 - .156 X .219	5/32	7/32	1/32
SPT50 - .188 X .250	3/16	1/4	1/32
SPT50 - .188 X .313	3/16	5/16	1/16
SPT50 - .188 X .375	3/16	3/8	3/32
SPT50 - .188 X .438	3/16	7/16	1/8
SPT50 - .250 X .313	1/4	5/16	1/32
SPT50 - .250 X .375	1/4	3/8	1/16
SPT50 - .250 X .438	1/4	7/16	3/32
SPT50 - .250 X .500	1/4	1/2	1/8
SPT50 - .313 X .438	5/16	7/16	1/16
SPT50 - .313 X .500	5/16	1/2	3/32
SPT50 - .375 X .500	3/8	1/2	1/16
SPT50 - .375 X .563	3/8	9/16	3/32
SPT50 - .375 X .625	3/8	5/8	1/8
SPT50 - .438 X .563	7/16	9/16	1/16
SPT50 - .438 X .625	7/16	5/8	3/32
SPT50 - .500 X .625	1/2	5/8	1/16
SPT50 - .500 X .688	1/2	11/16	3/32
SPT50 - .500 X .750	1/2	3/4	1/8
SPT50 - .625 X .813	5/8	13/16	3/32
SPT50 - .625 X .875	5/8	7/8	1/8
SPT50 - .750 X .100	3/4	1	1/8
SPT50 - 1.00 X 1.25	1	1-1/4	1/8
SPT50 - 1.25 X 1.50	1-1/4	1-1/2	1/8
SPT50 - 1.50 X 2.00	1-1/2	2	1/4

Note: For additional sizes and other options please consult the factory.

Typical Physical Properties

Property	ASTM Method	Value or Rating
Durometer Hardness, Shore A, 15 Sec	D2240	50
Tensile Strength, psi (MPa)	D412	1150 (8)
Ultimate Elongation, %	D412	450
Specific Gravity	D792	1.15
Tear Resistance lb-f/in (kN/m)	D624	150 (26)
Color	-	Translucent

Sterilization Methods

- Autoclavable - Steam 60 minutes at 134°C
- Gas - Ethylene Oxide
- Radiation - up to 5 Mrad (50 kGy)



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NOTE: The data and details given in this document are correct and up to date. This document is intended to provide information about the product and possible applications. This document is not the product specification and does not provide specific features, nor does it guarantee product performance in specific applications. Saint-Gobain cannot anticipate or control the conditions of the field and for this reason strongly recommends that practical tests are conducted to ensure that the product meets the requirements of a specific application.

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