

PureFit™ SPT-50 Sanitary Silicone Tubing



BIOPHARMACEUTICAL PRODUCTS

Features/Benefits

- Pharmaceutical grade
- Excellent flexibility and bend radius
- Minimal extractables
- Tear resistant
- Superior inner surface smoothness
- Fully autoclavable and sterilizable
- Imparts no taste or odors
- Extremely stable over wide temperature ranges
- Meets all USP Class VI and European Pharmacopeia 3.1.9 protocols
- Excellent peristaltic pump life
- Manufactured in a clean room environment

Typical Applications

- Sterile filling
- Vaccine manufacturing
- Load cell
- Production filtration
- Drug delivery systems
- Media processing
- Cell harvest

Pure-Fit® SPT-50

PureFit® SPT-50 is a pharmaceutical grade platinum-cured silicone tubing that was developed for transferring high-purity liquids and sensitive biologicals in a variety of biopharmaceutical and biotechnology production applications. PureFit® SPT-50 has 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 PureFit® SPT-50 silicone tubing improves the fluid flow characteristics by reducing the peaks and valleys on the inner surface topography.

Characteristics

Peristaltic pump tubing is a key component in many biopharmaceutical manufacturing applications. PureFit® SPT-50 with its non-tacky outer surface dramatically increases its pump life giving you the flexibility to have longer production cycles and minimizes the risk of pump tube failures in your processes.

Biocompatibility

PureFit® SPT-50 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. PureFit® SPT-50 tubing complies fully with the requirements of USP Class VI and EP 3.1.9 criteria and is non-toxic and non-pyrogenic.



Pure-Fit® SPT-50 Tubing Available Sizes

Part Number	I.D. (inches)	O.D. (Inches)	Wall Thickness (Inches)
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	1/3
SPT50 - .250 X .375	1/4	3/8	1/16
SPT50 - .250 X .438	1/4	7/16	3/3
SPT50 - .250 X .500	1/4	1/2	1/8
SPT50 - .313 X .438	5/16	7/16	1/1
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	D624	150
Appearance	—	Translucent

Sterilization Methods

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

BIOPHARMACEUTICAL PRODUCTS

Come through clean.SM

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PURE-FIT® SPT-50 IS NOT INTENDED FOR USE AS AN IMPLANT MATERIAL

Pure-Fit® is a registered trademark.



IMPORTANT: It is the user's responsibility to ensure the suitability and safety of Saint-Gobain Performance Plastics tubing for all intended uses. Laboratory and clinical tests must be conducted in accordance with applicable regulatory requirements in order to determine the safety and effectiveness for use of tubing in any particular application.

For a period of 6 months from the date of first sale, Saint-Gobain Performance Plastics Corporation warrants this product to be free from defects in materials and workmanship. Our only obligation will be to replace any portion proving defective, or at our option, to refund the purchase price thereof. User assumes all other risk, if any, including the risk of injury, loss or damage, direct or consequential, arising out of the use, misuse, or inability to use, this product. THIS WARRANTY IS IN LIEU OF THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR PARTICULAR PURPOSE, AND ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. No deviation is authorized.

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