

Sani-Tech® STHT®-C Sanitary Silicone Tubing



Permanently laser marked with part number and lot code for total product traceability.

Sani-Tech® STHT®-C

Sani-Tech® STHT®-C is an ultra-pure, biopharmaceutical-grade tubing that has a useful life unmatched by any other known process tubing. Sani-Tech® STHT®-C platinum-cured silicone tubing resists temperature extremes, ozone, corona, radiation, moisture, compression sets, weathering and chemical attack and imparts no taste or odors to fluids transported within it. Sani-Tech® STHT®-C silicone tubing withstands repeated autoclaving and resists the adherence of blood products and other sanitary fluids. Sani-Tech® STHT®-C, in 1/16" ID and greater, comes with laser marked part numbers and lot codes to provide total product traceability.

Characteristics

The manufacturing process is carefully controlled from receiving through production. Inspection and lot traceability is readily accessible as batch numbers are assigned. All packages are identified by external labeling on both the bag and the high-quality, crush-proof box.

Saint-Gobain Performance Plastics' manufacturing facility has the ability to create a variety of unique color-coding systems for your particular application needs. Sani-Tech® STHT®-C is available in color striping in a wide range of custom colors.

Biocompatibility

Sani-Tech® STHT®-C is manufactured from the finest grade of silicone materials and is fully characterized, validated and tested to a variety of specifications including USP Class VI criteria*, ISO 10993, European Pharmacopoeia 3.1.9, and Japanese Pharmacopoeia – Section 51. For additional compliance data please contact our customer service department. Sani-Tech® STHT®-C has a Master File with the U.S Food and Drug Administration.

BIOPHARMACEUTICAL PRODUCTS

Clear platinum-cured non-reinforced silicone tubing

Features/Benefits

- Ultra-pure, biopharmaceutical-grade silicone
- Permanently laser marked with part number and lot code for total product traceability
- Unsurpassed surface smoothness
- Ultra-flexible
- Autoclavable and sterilizable
- Temperature range from -80°F (-62°C) to 500°F (260°C)
- Imparts no taste or odors
- Color striping available
- Available in bulk or assemblies
- Available in 25-, 50- and 100-foot coils

Typical Applications

- Sterile fill and transfers
- Drug delivery
- Media processing
- Sanitary peristaltic pump tubing
- Laboratory use

Connections

- Sanitary, vulcanized, non-metallic fittings
- Radially crimped 316L SS or non-metallic fittings
- Adapter connections

Sani-Tech® STHT®-C Tubing Available Sizes

Part Number	ID Inches (mm)	OD Inches (mm)	Wall Inches	Part Number	ID Inches (mm)	OD Inches (mm)	Wall Inches	Part Number	ID Inches (mm)	OD Inches (mm)	Wall Inches
STHT-C-012-0	.012 (.30)	.024 (.61)	.006	STHT-C-156-1	5/32 (4.0)	7/32 (.5.5)	1/32	STHT-C-500-1	1/2 (12.7)	9/16 (14.3)	1/32
STHT-C-020-0	.020 (.51)	.036 (.91)	.008	STHT-C-156-2	5/32 (4.0)	9/32 (7.1)	1/16	STHT-C-500-2	1/2 (12.7)	5/8 (15.9)	1/16
STHT-C-025-0	.025 (.64)	.047 (1.2)	.011	STHT-C-156-3	5/32 (4.0)	11/32 (8.7)	3/32	STHT-C-500-3	1/2 (12.7)	11/16 (17.4)	3/32
STHT-C-030-0	.030 (.76)	.066 (1.7)	.018	STHT-C-156-4	5/32 (4.0)	13/32 (10.3)	1/8	STHT-C-500-4	1/2 (12.7)	3/4 (19.1)	1/8
STHT-C-030-2	.030 (.76)	.160 (4.1)	.062	STHT-C-156-5	5/32 (4.0)	17/32 (13.5)	3/16	STHT-C-500-5	1/2 (12.7)	7/8 (22.2)	3/16
STHT-C-040-0	.040 (1.0)	.086 (2.2)	.023	STHT-C-156-6	5/32 (4.0)	21/32 (16.7)	1/4	STHT-C-500-6	1/2 (12.7)	1 (25.4)	1/4
STHT-C-058-0	.058 (1.5)	.076 (1.9)	.009	STHT-C-187-1	3/16 (4.7)	1/4 (6.4)	1/32	STHT-C-625-1	5/8 (15.9)	11/16 (17.4)	1/32
STHT-C-062-1	1/16 (1.6)	1/8 (3.2)	1/32	STHT-C-187-2	3/16 (4.7)	5/16 (7.9)	1/16	STHT-C-625-2	5/8 (15.9)	3/4 (19.1)	1/16
STHT-C-062-2	1/16 (1.6)	3/16 (4.7)	1/16	STHT-C-187-3	3/16 (4.7)	3/8 (9.5)	3/32	STHT-C-625-3	5/8 (15.9)	13/16 (22.2)	3/32
STHT-C-062-3	1/16 (1.6)	1/4 (6.4)	3/32	STHT-C-187-4	3/16 (4.7)	7/16 (11.1)	1/8	STHT-C-625-4	5/8 (15.9)	7/8 (22.2)	1/8
STHT-C-062-4	1/16 (1.6)	5/16 (7.9)	1/8	STHT-C-187-5	3/16 (4.7)	9/16 (14.2)	3/16	STHT-C-625-5	5/8 (15.9)	1 (25.4)	3/16
STHT-C-062-5	1/16 (1.6)	7/16 (11.1)	3/16	STHT-C-187-6	3/16 (4.7)	11/16 (17.4)	1/4	STHT-C-625-6	5/8 (15.9)	1-1/8 (28.5)	1/4
STHT-C-062-6	1/16 (1.6)	9/16 (14.2)	1/4	STHT-C-250-1	1/4 (6.4)	5/16 (7.9)	1/32	STHT-C-750-1	3/4 (19.1)	13/16 (20.6)	1/32
STHT-C-078-1	5/64 (2.0)	9/64 (3.6)	1/32	STHT-C-250-2	1/4 (6.4)	3/8 (9.5)	1/16	STHT-C-750-2	3/4 (19.1)	7/8 (22.2)	1/16
STHT-C-078-2	5/64 (2.0)	13/64 (5.2)	1/16	STHT-C-250-3	1/4 (6.4)	7/16 (11.1)	3/32	STHT-C-750-3	3/4 (19.1)	15/16 (23.8)	3/32
STHT-C-078-3	5/64 (2.0)	17/64 (6.7)	3/32	STHT-C-250-4	1/4 (6.4)	1/2 (12.7)	1/8	STHT-C-750-4	3/4 (19.1)	1 (25.4)	1/8
STHT-C-078-4	5/64 (2.0)	21/64 (8.3)	1/8	STHT-C-250-5	1/4 (6.4)	5/8 (15.8)	3/16	STHT-C-750-5	3/4 (19.1)	1-1/8 (28.5)	3/16
STHT-C-078-5	5/64 (2.0)	29/64 (11.5)	3/16	STHT-C-250-6	1/4 (6.4)	3/4 (19.0)	1/4	STHT-C-750-6	3/4 (19.1)	1-1/4 (31.7)	1/4
STHT-C-078-6	5/64 (2.0)	37/64 (14.7)	1/4	STHT-C-312-1	5/16 (7.9)	3/8 (9.5)	1/32	STHT-C-875-1	7/8 (22.2)	15/16 (23.8)	1/32
STHT-C-093-1	3/32 (2.4)	5/32 (4.0)	1/32	STHT-C-312-2	5/16 (7.9)	7/16 (11.1)	1/16	STHT-C-875-2	7/8 (22.2)	1 (25.4)	1/16
STHT-C-093-2	3/32 (2.4)	7/32 (5.5)	1/16	STHT-C-312-3	5/16 (7.9)	1/2 (12.7)	3/32	STHT-C-875-3	7/8 (22.2)	1-1/16 (26.9)	3/32
STHT-C-093-3	3/32 (2.4)	9/32 (7.1)	3/32	STHT-C-312-4	5/16 (7.9)	9/16 (14.3)	1/8	STHT-C-875-4	7/8 (22.2)	1-1/8 (28.5)	1/8
STHT-C-093-4	3/32 (2.4)	11/32 (8.7)	1/8	STHT-C-312-5	5/16 (7.9)	11/16 (17.4)	3/16	STHT-C-875-5	7/8 (22.2)	1-1/4 (31.7)	3/16
STHT-C-093-5	3/32 (2.4)	15/32 (11.9)	3/16	STHT-C-312-6	5/16 (7.9)	13/16 (20.6)	1/4	STHT-C-875-6	7/8 (22.2)	1-3/8 (34.9)	1/4
STHT-C-093-6	3/32 (2.4)	19/32 (15.1)	1/4	STHT-C-375-1	3/8 (9.5)	7/16 (11.1)	1/32	STHT-C-1000-1	1 (25.4)	1-1/16 (26.9)	1/32
STHT-C-125-1	1/8 (3.2)	3/16 (4.7)	1/32	STHT-C-375-2	3/8 (9.5)	1/2 (12.7)	1/16	STHT-C-1000-2	1 (25.4)	1-1/8 (28.5)	1/16
STHT-C-125-2	1/8 (3.2)	1/4 (6.4)	1/16	STHT-C-375-3	3/8 (9.5)	9/16 (14.3)	3/32	STHT-C-1000-3	1 (25.4)	1-3/16 (30.1)	3/32
STHT-C-125-3	1/8 (3.2)	5/16 (7.9)	3/32	STHT-C-375-4	3/8 (9.5)	5/8 (15.9)	1/8	STHT-C-1000-4	1 (25.4)	1-1/4 (31.7)	1/8
STHT-C-125-4	1/8 (3.2)	3/8 (9.5)	1/8	STHT-C-375-5	3/8 (9.5)	3/4 (19.0)	3/16	STHT-C-1000-5	1 (25.4)	1-3/8 (34.9)	3/16
STHT-C-125-5	1/8 (3.2)	1/2 (12.7)	3/16	STHT-C-375-6	3/8 (9.5)	7/8 (22.2)	1/4	STHT-C-1000-6	1 (25.4)	1-1/2 (38.1)	1/4
STHT-C-125-6	1/8 (3.2)	5/8 (15.8)	1/4								

Sizing Formula

WALL 1	1/32	WALL 2	1/16	WALL 3	3/32
WALL 4	1/8	WALL 5	3/16	WALL 6	1/4

Sani-Tech® STHT®-C Options

- Custom laylines
- Color striping identification
- Bulk spool packaging
- Custom sizes available
- Additional durometers available

*Sani-Tech®-STHT® -C product characterization protocols are based on unpigmented and unmarked material.

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BIOPHARMACEUTICAL PRODUCTS

Come through clean.™

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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.

Saint-Gobain Performance Plastics Corporation assumes no obligations or liability for any advice furnished by it, or for results obtained with respect to those products. All such advice is given and accepted at the buyer's risk.

Typical Physical Properties

Property	ASTM Method	Value or Rating
Durometer Hardness	D2240	50
Shore A, 15 Sec		
Tensile Strength	D412	1243
psi (MPa)		
Ultimate Elongation, 100%	D412	714
Tear Resistance	D624	286
lb-f/inch (kN/m)		
Specific Gravity	D792	1.17
Tensile Modulus	D412	309

Unless otherwise noted, all tests were conducted at room temperature (73°F). Values shown were determined on 0.075" thick extruded strip or 0.075" thick molded ASTM plaques or molded ASTM durometer buttons.

SANI-TECH® TUBING IS NOT INTENDED FOR USE AS AN IMPLANT MATERIAL

