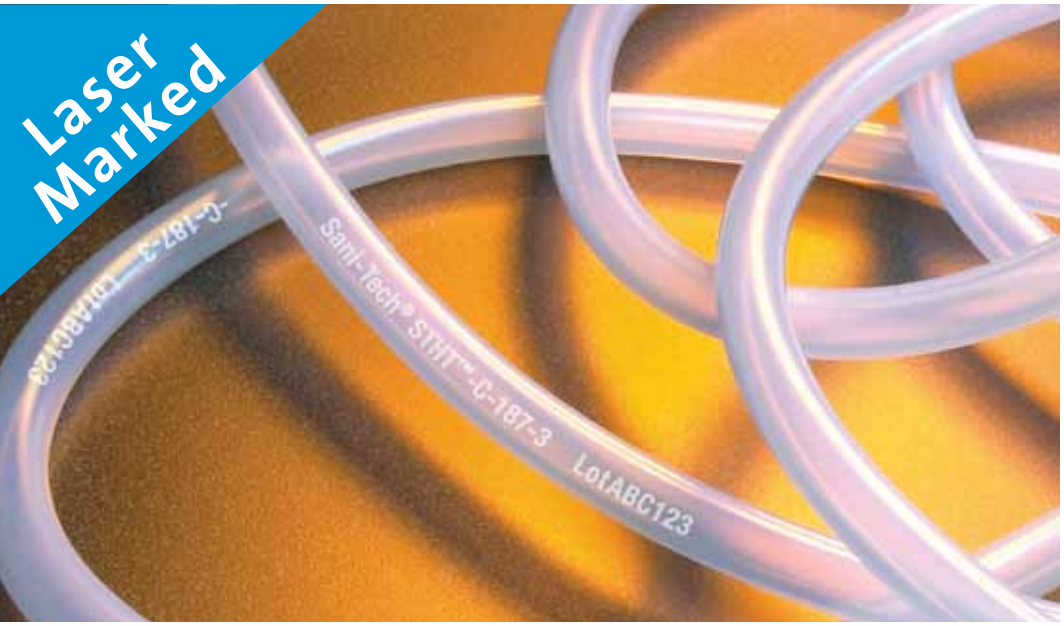
Sani-Tech® STHT®-C Sanitary Silicone Tubing



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 are 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.

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
- 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
- Cell harvest
- Media processing
- Liquid chromatography

SAINT-GOBAIN
PERFORMANCE PLASTICS

Sani-Tech® STHT®-C Tubing Available Sizes

Part Number	ID (inches)	OD (inches)	Wall (inches)	Pressure Rating	
				Burst (psi)	Working (psi)
STHT-C-012-0	0.012	0.024	0.006	48	10
STHT-C-020-0	0.02	0.036	0.008	41	8
STHT-C-025-0	0.025	0.047	0.011	44	9
STHT-C-030-0	0.03	0.066	0.018	56	11
STHT-C-030-2	0.03	0.155	0.062	161	32
STHT-C-040-0	0.04	0.086	0.023	54	11
STHT-C-058-0	0.058	0.076	0.009	24	5
STHT-C-062-1	0.062	0.125	0.032	51	10
STHT-C-062-2	0.062	0.188	0.062	85	17
STHT-C-062-3	0.062	0.25	0.093	118	24
STHT-C-062-4	0.062	0.313	0.125	164	33
STHT-C-062-5	0.062	0.438	0.187	239	48
STHT-C-062-6*	0.062	0.563	0.25	316	63
STHT-C-078-1	0.078	0.141	0.032	43	9
STHT-C-078-2	0.078	0.203	0.062	73	15
STHT-C-078-3	0.078	0.266	0.093	104	21
STHT-C-078-4*	0.078	0.328	0.125	135	27
STHT-C-078-5	0.078	0.453	0.187	197	39
STHT-C-078-6	0.078	0.578	0.25	259	52
STHT-C-093-1	0.093	0.156	0.032	39	8
STHT-C-093-2	0.093	0.219	0.062	66	13
STHT-C-093-3	0.093	0.281	0.093	90	18
STHT-C-093-4	0.093	0.344	0.125	104	21
STHT-C-093-5*	0.093	0.469	0.187	170	34
STHT-C-093-6*	0.093	0.594	0.25	224	45
STHT-C-125-1	0.125	0.188	0.032	32	6
STHT-C-125-2	0.125	0.25	0.062	52	10
STHT-C-125-3	0.125	0.313	0.093	70	14
STHT-C-125-4	0.125	0.375	0.125	93	19
STHT-C-125-5	0.125	0.5	0.187	114	23
STHT-C-125-6	0.125	0.625	0.25	176	35
STHT-C-156-1	0.156	0.219	0.032	28	6
STHT-C-156-2	0.156	0.281	0.062	44	9
STHT-C-156-3	0.156	0.344	0.093	55	11
STHT-C-156-4	0.156	0.406	0.125	77	15
STHT-C-156-5*	0.156	0.531	0.187	114	23
STHT-C-156-6	0.156	0.656	0.25	148	30
STHT-C-187-1	0.187	0.25	0.032	25	5
STHT-C-187-2	0.187	0.313	0.062	39	8
STHT-C-187-3	0.187	0.375	0.093	54	11
STHT-C-187-4	0.187	0.438	0.125	65	13
STHT-C-187-5	0.187	0.563	0.187	90	18
STHT-C-187-6	0.187	0.688	0.25	130	26
STHT-C-250-1	0.25	0.313	0.032	11	2
STHT-C-250-2	0.25	0.375	0.062	28	6
STHT-C-250-3	0.25	0.438	0.093	41	8

Part Number	ID (inches)	OD (inches)	Wall (inches)	Pressure Rating	
				Burst (psi)	Working (psi)
STHT-C-250-3	0.25	0.438	0.093	41	8
STHT-C-250-4	0.25	0.5	0.125	52	10
STHT-C-250-5*	0.25	0.625	0.187	74	15
STHT-C-250-6*	0.25	0.75	0.25	105	21
STHT-C-312-1	0.312	0.375	0.032	17	3
STHT-C-312-2	0.312	0.438	0.062	22	4
STHT-C-312-3	0.312	0.5	0.093	41	8
STHT-C-312-4	0.312	0.563	0.125	48	10
STHT-C-312-5	0.312	0.688	0.187	69	14
STHT-C-312-6*	0.312	0.813	0.25	90	18
STHT-C-375-1*	0.375	0.438	0.032	14	3
STHT-C-375-2	0.375	0.5	0.062	17	3
STHT-C-375-3	0.375	0.563	0.093	31	6
STHT-C-375-4	0.375	0.625	0.125	42	8
STHT-C-375-5	0.375	0.75	0.187	56	11
STHT-C-375-6	0.375	0.875	0.25	80	16
STHT-C-500-1*	0.5	0.563	0.032	10	2
STHT-C-500-2	0.5	0.625	0.062	18	4
STHT-C-500-3	0.5	0.688	0.093	22	4
STHT-C-500-4	0.5	0.75	0.125	33	7
STHT-C-500-5	0.5	0.875	0.187	47	9
STHT-C-500-6*	0.5	1	0.25	66	13
STHT-C-625-1*	0.625	0.688	0.032	6	1
STHT-C-625-2	0.625	0.75	0.062	13	3
STHT-C-625-3*	0.625	0.813	0.093	20	4
STHT-C-625-4	0.625	0.875	0.125	27	5
STHT-C-625-5	0.625	1	0.187	42	8
STHT-C-625-6*	0.625	1.25	0.25	56	11
STHT-C-750-1*	0.75	0.813	0.032	3	1
STHT-C-750-2*	0.75	0.875	0.068	12	2
STHT-C-750-3*	0.75	0.938	0.093	16	3
STHT-C-750-4	0.75	1	0.125	23	5
STHT-C-750-5	0.75	1.125	0.187	31	6
STHT-C-750-6	0.75	1.25	0.25	48	10
STHT-C-875-1*	0.875	0.938	0.032	3	1
STHT-C-875-2	0.875	1	0.062	5	1
STHT-C-875-3*	0.875	1.0625	0.093	11	2
STHT-C-875-4	0.875	1.125	0.125	18	4
STHT-C-875-5	0.875	1.25	0.187	30	6
STHT-C-875-6	0.875	1.375	0.25	42	8
STHT-C-1000-1*	1	1.0625	0.032	3	1
STHT-C-1000-2*	1	1.125	0.062	4	1
STHT-C-1000-3*	1	1.187	0.093	8	2
STHT-C-1000-4	1	1.25	0.125	18	4
STHT-C-1000-5	1	1.375	0.187	25	5
STHT-C-1000-6	1	1.5	0.25	35	7

Burst pressures are calculated at a 5:1 ratio relative to working pressure using ASTM D1599.
* Please consult factory for availability

Typical Physical Properties

Property	ASTM Method	Value or Rating (metric)
Durometer Hardness, Shore A, 15 Sec	D2240	50
Tensile Strength, psi (MPa)	D412	1250 (8.62 MPa)
Ultimate Elongation, 100%	D412	714
Tear Resistance, ppi (kN/m)	D624	250 (43.8 Kn/M)
Specific Gravity	D792	1.17
Tensile Modulus, psi (MPa)	D412	309 (2.13 MPa)

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® STHT®-C Options

- Custom laylines
- Bulk spool packaging
- Custom sizes available
- Additional durometers available

Sterilization Methods

- Autoclavable
- Radiation – up to 5.0 Mrad (50 Kilogray)
- Gas – Ethylene Oxide

Sizing Formula

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

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

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SAINT-GOBAIN
PERFORMANCE PLASTICS

BIOPHARMACEUTICAL PRODUCTS
Come through clean.℠

Important: It is the user's responsibility to ensure the suitability and safety of Saint-Gobain Performance Plastics Corporation 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.

Limited Warranty: 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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