



# Sani-Tech® STHT®-C Sani-Tech® STHT®-65 Pharmaceutical Silicone Tubing

## Sani-Tech® STHT®-C and Sani-Tech® STHT®-65

Sani-Tech® STHT®-C and Sani-Tech® STHT®-65 are ultra-pure, biopharmaceutical-grade Tubing. This platinum-cured silicone tubing withstands repeated autoclaving and resist the adherence of blood products and other sanitary fluids. In 1/16" ID and greater, STHT-C and STHT-65 come with laser marked part numbers and lot codes to provide total product traceability.

### Characteristics

The integrity of our manufacturing process is carefully controlled. In all our multiple production sites (US, France, and India) our tubing is produced and double bag packaged in an ISO 7 clean room. Inspections 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.

### Biocompatible

Sani-Tech® STHT®-C and Sani-Tech® STHT®-65 are manufactured from the finest grade of silicone materials tested to a variety of specifications including:

For additional compliance data visit [www.biopharm.saint-gobain.com](http://www.biopharm.saint-gobain.com) to download Validation Guide Summary or contact our customer service department.

---

USP Class VI

---

ISO 10993

---

European Pharmacopoeia 3.1.9

## Features / Benefits

- Two hardnesses available, 50 and 65 shore A
- Multiple manufacturing sites: US, France, and India
- Ultra-pure, biopharmaceutical - grade silicone
- Permanently laser marked with part number and lot code for total product traceability
- Unsurpassed surface smoothness
- Temperature range from -80°F (-62°C) to 500°F (260°C)
- BPOG extractable report
- Validation guide summary

## Typical Applications

- Sterile fill and transfers
- Drug delivery
- Media processing
- Laboratory use
- Cell harvest
- Upstream and Downstream biopharma applications



## Sani-Tech® STHT®-C and Sani-Tech® STHT®-65 Tubing Standard Sizes

Sani-Tech® STHT®-C	Sani-Tech® STHT®65	ID		OD		Wall		Burst Pressure • (psi)	
		in.	mm	in.	mm.	in.	mm	Sani-Tech® STHT®-C	Sani-Tech® STHT®65
STHT-C-012-0	STHT65-012-0	0.01	0.30	0.02	0.61	0.01	0.15	56.0	101.3
STHT-C-020-0	STHT65-020-0	0.02	0.51	0.04	0.91	0.01	0.20	47.2	86.8
STHT-C-025-0	STHT65-025-0	0.03	0.64	0.05	1.19	0.01	0.28	50.9	92.9
STHT-C-030-0	STHT65-030-0	0.03	0.76	0.07	1.68	0.02	0.46	63.3	113.2
STHT-C-030-2	STHT65-030-2	0.03	0.76	0.16	4.06	0.06	1.57	101.3	172.7
STHT-C-040-0	STHT65-040-0	0.04	1.02	0.09	2.18	0.02	0.58	61.6	110.4
STHT-C-058-0	STHT65-058-0	0.06	1.47	0.08	1.93	0.01	0.23	18.6	37.5
STHT-C-062-1	STHT65-062-1	0.06	1.59	0.13	3.18	0.03	0.79	56.0	101.3
STHT-C-062-2	STHT65-062-2	0.06	1.59	0.19	4.76	0.06	1.59	82.5	143.5
STHT-C-062-3	STHT65-062-3	0.06	1.59	0.25	6.35	0.09	2.38	94.1	161.6
STHT-C-062-4	STHT65-062-4	0.06	1.59	0.31	7.94	0.13	3.18	99.9	170.6
STHT-C-062-5	STHT65-062-5	0.06	1.59	0.44	11.11	0.19	4.76	105.3	178.9
STHT-C-062-6	STHT65-062-6	0.06	1.59	0.56	14.29	0.25	6.35	107.7	182.5
STHT-C-078-1	STHT65-078-1	0.08	1.98	0.14	3.57	0.03	0.79	47.2	86.8
STHT-C-078-2	STHT65-078-2	0.08	1.98	0.20	5.16	0.06	1.59	74.6	131.0
STHT-C-078-3	STHT65-078-3	0.08	1.98	0.27	6.75	0.09	2.38	88.1	152.4
STHT-C-078-4	STHT65-078-4	0.08	1.98	0.33	8.33	0.13	3.18	95.5	163.9
STHT-C-078-5	STHT65-078-5	0.08	1.98	0.45	11.51	0.19	4.76	102.7	174.9
STHT-C-078-6	STHT65-078-6	0.08	1.98	0.58	14.68	0.25	6.35	106.0	179.9
STHT-C-093-1	STHT65-093-1	0.09	2.38	0.16	3.97	0.03	0.79	40.4	75.5
STHT-C-093-2	STHT65-093-2	0.09	2.38	0.22	5.56	0.06	1.59	67.5	119.9
STHT-C-093-3	STHT65-093-3	0.09	2.38	0.28	7.14	0.09	2.38	82.5	143.5
STHT-C-093-4	STHT65-093-4	0.09	2.38	0.34	8.73	0.13	3.18	91.1	157.0
STHT-C-093-5	STHT65-093-5	0.09	2.38	0.47	11.91	0.19	4.76	99.9	170.6
STHT-C-093-6	STHT65-093-6	0.09	2.38	0.59	15.08	0.25	6.35	104.1	177.0
STHT-C-125-1	STHT65-125-1	0.13	3.18	0.19	4.76	0.03	0.79	30.8	59.1
STHT-C-125-2	STHT65-125-2	0.13	3.18	0.25	6.35	0.06	1.59	56.0	101.3
STHT-C-125-3	STHT65-125-3	0.13	3.18	0.31	7.94	0.09	2.38	72.1	127.2
STHT-C-125-4	STHT65-125-4	0.13	3.18	0.38	9.53	0.13	3.18	82.5	143.5
STHT-C-125-5	STHT65-125-5	0.13	3.18	0.50	12.70	0.19	4.76	94.1	161.6
STHT-C-125-6	STHT65-125-6	0.13	3.18	0.63	15.88	0.25	6.35	99.9	170.6
STHT-C-156-1	STHT65-156-1	0.16	3.97	0.22	5.56	0.03	0.79	24.5	48.1
STHT-C-156-2	STHT65-156-2	0.16	3.97	0.28	7.14	0.06	1.59	47.2	86.8
STHT-C-156-3	STHT65-156-3	0.16	3.97	0.34	8.73	0.09	2.38	63.3	113.2
STHT-C-156-4	STHT65-156-4	0.16	3.97	0.41	10.32	0.13	3.18	74.6	131.0
STHT-C-156-5	STHT65-156-5	0.16	3.97	0.53	13.49	0.19	4.76	88.1	152.4
STHT-C-156-6	STHT65-156-6	0.16	3.97	0.66	16.67	0.25	6.35	95.5	163.9
STHT-C-187-1	STHT65-187-1	0.19	4.76	0.25	6.35	0.03	0.79	20.1	40.2
STHT-C-187-2	STHT65-187-2	0.19	4.76	0.31	7.94	0.06	1.59	40.4	75.5
STHT-C-187-3	STHT65-187-3	0.19	4.76	0.38	9.53	0.09	2.38	56.0	101.3
STHT-C-187-4	STHT65-187-4	0.19	4.76	0.44	11.11	0.13	3.18	67.5	119.9
STHT-C-187-5	STHT65-187-5	0.19	4.76	0.56	14.29	0.19	4.76	82.5	143.5
STHT-C-187-6	STHT65-187-6	0.19	4.76	0.69	17.46	0.25	6.35	91.1	157.0
STHT-C-250-1	STHT65-250-1	0.25	6.35	0.31	7.94	0.03	0.79	14.5	30.0
STHT-C-250-2	STHT65-250-2	0.25	6.35	0.38	9.53	0.06	1.59	30.8	59.1
STHT-C-250-3	STHT65-250-3	0.25	6.35	0.44	11.11	0.09	2.38	44.7	82.7
STHT-C-250-4	STHT65-250-4	0.25	6.35	0.50	12.70	0.13	3.18	56.0	101.3
STHT-C-250-5	STHT65-250-5	0.25	6.35	0.63	15.88	0.19	4.76	72.1	127.2
STHT-C-250-6	STHT65-250-6	0.25	6.35	0.75	19.05	0.25	6.35	82.5	143.5
STHT-C-312-1	STHT65-312-1	0.31	7.94	0.38	9.53	0.03	0.79	11.1	23.6
STHT-C-312-2	STHT65-312-2	0.31	7.94	0.44	11.11	0.06	1.59	24.5	48.1
STHT-C-312-3	STHT65-312-3	0.31	7.94	0.50	12.70	0.09	2.38	36.7	69.2
STHT-C-312-4	STHT65-312-4	0.31	7.94	0.56	14.29	0.13	3.18	47.2	86.8
STHT-C-312-5	STHT65-312-5	0.31	7.94	0.69	17.46	0.19	4.76	63.3	113.2
STHT-C-312-6	STHT65-312-6	0.31	7.94	0.81	20.64	0.25	6.35	74.6	131.0
STHT-C-375-1	STHT65-375-1	0.38	9.53	0.44	11.11	0.03	0.79	8.9	19.3
STHT-C-375-2	STHT65-375-2	0.38	9.53	0.50	12.70	0.06	1.59	20.1	40.2
STHT-C-375-3	STHT65-375-3	0.38	9.53	0.56	14.29	0.09	2.38	30.8	59.1
STHT-C-375-4	STHT65-375-4	0.38	9.53	0.63	15.88	0.13	3.18	40.4	75.5
STHT-C-375-5	STHT65-375-5	0.38	9.53	0.75	19.05	0.19	4.76	56.0	101.3
STHT-C-375-6	STHT65-375-6	0.38	9.53	0.88	2.23	0.25	6.35	67.5	119.9

## Sani-Tech® STHT-C and Sani-Tech® STHT®-65 Tubing Standard Sizes Continued

Sani-Tech® STHT®-C	Sani-Tech® STHT®65	ID		OD		Wall		Burst Pressure* (psi)	
		in.	mm	in.	mm.	in.	mm	Sani-Tech® STHT®-C	Sani-Tech® STHT®65
STHT-C-500-1	STHT65-500-1	0.50	12.70	0.56	14.29	0.03	0.79	6.2	14.0
STHT-C-500-2	STHT65-500-2	0.50	12.70	0.63	15.88	0.06	1.59	14.5	30.0
STHT-C-500-3	STHT65-500-3	0.50	12.70	0.69	17.46	0.09	2.38	22.9	45.2
STHT-C-500-4	STHT65-500-4	0.50	12.70	0.75	19.05	0.13	3.18	30.8	59.1
STHT-C-500-5	STHT65-500-5	0.50	12.70	0.88	22.23	0.19	4.76	44.7	82.7
STHT-C-500-6	STHT65-500-6	0.50	12.70	1.00	25.40	0.25	6.35	56.0	101.3
STHT-C-625-1	STHT65-625-1	0.63	15.88	0.69	17.46	0.03	0.79	4.7	10.9
STHT-C-625-2	STHT65-625-2	0.63	15.88	0.75	19.05	0.06	1.59	11.1	23.6
STHT-C-625-3	STHT65-625-3	0.63	15.88	0.81	20.64	0.09	2.38	17.9	36.2
STHT-C-625-4	STHT65-625-4	0.63	15.88	0.88	22.23	0.13	3.18	24.5	48.1
STHT-C-625-5	STHT65-625-5	0.63	15.88	1.00	25.40	0.19	4.76	36.7	69.2
STHT-C-625-6	STHT65-625-6	0.63	15.88	1.13	28.58	0.25	6.35	47.2	86.8
STHT-C-750-1	STHT65-750-1	0.75	19.05	0.81	20.64	0.03	0.79	3.7	8.8
STHT-C-750-2	STHT65-750-2	0.75	19.05	0.88	22.23	0.06	1.59	8.9	19.3
STHT-C-750-3	STHT65-750-3	0.75	19.05	0.94	23.81	0.09	2.38	14.5	30.0
STHT-C-750-4	STHT65-750-4	0.75	19.05	1.00	25.40	0.13	3.18	20.1	40.2
STHT-C-750-5	STHT65-750-5	0.75	19.05	1.13	28.58	0.19	4.76	30.8	59.1
STHT-C-750-6	STHT65-750-6	0.75	19.05	1.25	31.75	0.25	6.35	40.4	75.5
STHT-C-875-1	STHT65-875-1	0.88	22.23	0.94	23.81	0.03	0.79	3.1	7.4
STHT-C-875-2	STHT65-875-2	0.88	22.23	1.00	25.40	0.06	1.59	7.4	16.3
STHT-C-875-3	STHT65-875-3	0.88	22.23	1.06	26.99	0.09	2.38	12.1	25.4
STHT-C-875-4	STHT65-875-4	0.88	22.23	1.13	28.58	0.13	3.18	16.9	34.4
STHT-C-875-5	STHT65-875-5	0.88	22.23	1.25	31.75	0.19	4.76	26.3	51.3
STHT-C-875-6	STHT65-875-6	0.88	22.23	1.38	34.93	0.25	6.35	35.1	66.4
STHT-C-1000-1	STHT65-1000-1	1.00	25.40	1.06	26.99	0.03	0.79	2.6	6.3
STHT-C-1000-2	STHT65-1000-2	1.00	25.40	1.13	28.58	0.06	1.59	6.2	14.0
STHT-C-1000-3	STHT65-1000-3	1.00	25.40	1.19	30.16	0.09	2.38	10.3	22.0
STHT-C-1000-4	STHT65-1000-4	1.00	25.40	1.25	31.75	0.13	3.18	14.5	30.0
STHT-C-1000-5	STHT65-1000-5	1.00	25.40	1.38	34.93	0.19	4.76	22.9	45.2
STHT-C-1000-6	STHT65-1000-6	1.00	25.40	1.50	38.10	0.25	6.35	30.8	59.1

\* Burst pressure measurement is using ASTM D1599.

Many factors can reduce or increase the tubing's ability to withstand pressure.

It is imperative that the user conducts tests simulating the conditions of application prior specifying the tubing for use.

Few part number are subject to a minimum order quantity.

### Typical Physical Properties

Property	ASTM Method	STHT®-C Value or Rating (metric)	STHT®-65 Value or Rating (metric)
Durometer Hardness, Shore A	D2240	50	65
Tensile Strength, psi (MPa)	D412	1250 (8.62 MPa)	1376 (9.48 MPa)
Ultimate Elongation	D412	714	668
Tear Resistance, ppi (kN/m)	D624	250 (43.8 Kn/M)	326 (57.1 Kn/M)
Specific Gravity	D792	1.17	1.21
Tensile Modulus, psi (MPa)	D412	309 (2.13 MPa)	444 (3.06 MPa)

Unless otherwise noted, all tests were conducted at room temperature 23°C (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 and Sani-Tech® STHT®-65 Options

- Custom laylines
- Bulk spool packaging
- Custom sizes available

## Sterilization Methods

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

# STHT-X<sup>1</sup>-XXX-XX<sup>2</sup>

### Silicone Grade

STHT = Sani-Tech® STHT®

### Hardness

C = 50 Shore  
65 = 65 Shore

### Inner Diameter (ID)

ID in inch  
e.g. 012

### Wall Size

1	1/32"	0.79 mm
2	1/16"	1.59 mm
3	3/32"	2.38 mm
4	1/8"	3.17 mm
5	3/16"	4.76 mm
6	1/4"	6.35 mm

### Coil

F = 50ft coil  
H = 100ft coil  
  
25ft coil has  
no designation

An example of PN is : STHT-C-030-2

<sup>1</sup>Add M for metric sizes (example : CM or 65M)

<sup>2</sup>For custom sizes or custom products switch the letter

Sani-Tech® and STHT® are registered trademarks.



**Saint-Gobain Life Sciences**  
700 Warner Blvd  
Taunton, MA 02780, USA  
Tel: (508) 823-7701

BP 14 - La Mothe Aux Aulnaies  
89120 Charny-Oree-de-Puisaye,  
France  
Tel: +33 3 86 63 78 78

Devanahalli Road, 161-A,  
Off old Madras Road,  
Bengaluru - 560049, India  
Tel: + 91 80 4246 8989

[www.biopharm.saint-gobain.com](http://www.biopharm.saint-gobain.com)

Uncontrolled Document - for the controlled version of this document please visit [www.biopharm.saint-gobain.com](http://www.biopharm.saint-gobain.com)

For registered access to Saint-Gobain Product Validation Summaries, [CLICK HERE](#)

**Contact us today for:**  
**Consultations • Samples • Quotes • Orders**

**IMPORTANT:** It is the user's responsibility to ensure the suitability and safety of Saint-Gobain Life Sciences products for all intended uses and that the materials to be used comply with all applicable medical regulatory requirements. Saint-Gobain Life Sciences assumes no responsibility for any product failures that occur due to misuse of the materials it provides arising out of the design, fabrication or application of the products into which the materials are incorporated.

WARRANTY: For a period of 12 months from the date of first sale, Saint-Gobain Life Sciences warrants this product to be free of 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.

SAINT-GOBAIN LIFE SCIENCES DISCLAIMS ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.