



International Filter Products

Revolutionary systems for your industry

Application

- Sterile Fill and Transfers
- Laboratory Use
- Drug Delivery
- Cell Harvest
- Media Processing
- Upstream and Downstream biopharma applications

Technical Data Sheet

Features and 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 ranges from -80°F (-62°C) to 500°F (260°C)
- ❖ All formulas are Animal-Derived Component Free.
- ❖ All-inclusive Validation Guide and the Regulatory Information Overview (RIO) are available for customers upon request.

Chemical Resistance:

Chemical Type	Sani-Tech STHT-65 Compatibility
Alcohol	Excellent
Acids, Dilute/Weak	Excellent
Bases, Dilute/Weak	Excellent
Salts	Excellent
High-purity Water	Excellent
Oil / Water Emulsion	Excellent

Note: A comprehensive chemical compatibility chart is available upon request.





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When some chemical types are not suitable, safe, or chemically compatible with Sani-Tech, Saint-Gobain offers alternative tubing series. Below, you will find chemicals that are incompatible with Sani-Tech and the suggested alternative Saint-Gobain tubing series:

Chemical Type	Alternative Saint-Gobain Tubing Series
Acids, Concentrated / Strong	C-Flex
Bases, Concentrated / Strong	C-Flex
Low Spallation Peristaltic Pump Tubing	PharmaPure
Biocompatible Peristaltic Pump Tubing	PharMed BPT
Ketones and Organic Solvent	PharmaFluor FEP

Physical Properties:

Property	ASTM Method	Formulations Value
Durometer Hardness, Shore A	D2240	50
Tensile Strength, psi (MPa)	D412	1250 (8.62 MPa)
Ultimate Elongation	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)





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Sterilization Methods:

Autoclavable

Gamma Irradiation - up to 5.0 Mrad (50 Kilogray)

Gas – Ethylene Oxide

Regulatory Compliance (Biocompatibility, Physicochemical & Extractable Testing):

Summary of Results: Sani-Tech® STHT®-65 (Validation Summary)

Test	Standard	Result
Kinetic LAL Endotoxin	USP <85>	0.00538 EU/ml
LAL Gel Clot Endotoxin – Post Steam Sterilization	USP <87>	Passed
Biological Reactivity Tests, <i>In Vitro</i> : MEM Elution	USP <87>	Passed
Biological Reactivity Tests, <i>In Vitro</i> : MEM Elution – Post-Gamma Irradiation	USP <87>	Passed
Biological Reactivity Tests, <i>In Vitro</i> : Agar Diffusion	USP <87>	Passed
Biological Reactivity Tests, <i>In Vivo</i> : Pre-Autoclave/Gamma Irradiation	USP <88>	Passed
Elastomeric Closures for Injection, See Summary, Section 3i.	USP <381>	
Total Organic Carbon – Control, 0 Autoclave Cycles	USP <643>	24.5 mg/l
Total Organic Carbon – Control, 1 Autoclave Cycle	USP <643>	7.59 mg/l
Total Organic Carbon -- 5 Autoclave Cycles	USP <643>	4.19 mg/l
Total Organic Carbon - 10 Autoclave Cycles	USP <643>	3.77 mg/l
Physicochemical Tests for Plastics	USP <661>	Passed
Particulate Matter, See Summary, Section 3o.	USP <788>	
Total Extractables in Rubber Articles Intended for Repeated Use	21 CFR Part 117.2600	Passed
Semi-Quantification and Identification of Extractables: Post-Autoclave See Summary, Section 3q.		
Semi-Quantification and Identification of Extractables: Post-Autoclave See Summary, Section 3r.		





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Sani-Tech® STHT®-65 Tubing Standard Size:

Part Number	ID			OD			Wall			Burst Pressure	
	in.	in. (Fraction)	mm.	in.	in. (Fraction)	mm.	in.	in. (Fraction)	mm.	psi**	BAR**
STHT65-012-0*	0.012	1/80	0.3	0.024	1/50	0.61	0.006	1/160	0.2	101.3	6.98
STHT65-020-0*	0.02	1/50	0.51	0.036	1/25	0.9	0.008	1/125	0.2	86.8	5.98
STHT65-025-0*	0.025	1/40	0.64	0.047	1/2	1.2	0.011	1/100	0.3	92.9	6.41
STHT65-030-0	0.03	1/40	0.76	0.066	1/16	1.7	0.08	2/25	0.5	113.2	7.80
STHT65-030-2*	0.03	1/40	0.76	0.155	4/25	3.9	0.062	1/16	1.6	172.7	11.91
STHT65-040-0*	0.04	1/25	1.00	0.086	2/25	2.2	0.023	1/50	0.6	110.4	7.61
STHT65-058-0*	0.058	3/50	1.50	0.076	3/40	1.9	0.009	1/100	0.2	37.5	2.59

STHT65-062-1	0.063	1/16	1.6	0.125	1/8	3.2	0.032	1/32	0.8	101.3	6.98
STHT65-062-2	0.063	1/16	1.6	0.188	3/16	4.8	0.062	1/16	1.6	143.5	9.89
STHT65-062-3	0.063	1/16	1.6	0.25	1/4	6.4	0.093	3/32	2.4	161.6	11.41
STHT65-062-4	0.063	1/16	1.6	0.313	5/16	8	0.125	1/8	3.2	170.6	11.76
STHT65-062-5	0.063	1/16	1.6	0.438	11/25	11.1	0.187	3/16	4.7	178.9	12.33
STHT65-062-6*	0.063	1/16	1.6	0.563	14/25	14.3	0.25	1/4	6.4	182.5	12.58

STHT65-078-1	0.078	2/25	2.0	0.141	7/50	3.6	0.032	1/32	0.8	86.8	5.98
STHT65-078-2	0.078	2/25	2.0	0.203	1/5	5.2	0.062	1/16	1.6	131.0	9.03
STHT65-078-3	0.078	2/25	2.0	0.266	13/50	6.8	0.093	3/32	2.4	152.4	10.51
STHT65-078-4	0.078	2/25	2.0	0.328	8/25	8.3	0.125	1/8	3.2	163.9	11.30
STHT65-078-5*	0.078	2/25	2.0	0.453	9/20	11.5	0.187	3/16	4.7	174.9	12.06
STHT65-078-6*	0.078	2/25	2.0	0.578	14/25	14.7	0.25	1/4	6.4	179.9	12.40

STHT65-093-1*	0.094	3/32	2.4	0.156	3/20	4	0.032	1/32	0.8	75.5	5.21
STHT65-093-2*	0.094	3/32	2.4	0.219	11/50	5.6	0.062	1/16	1.6	119.9	8.27
STHT65-093-3*	0.094	3/32	2.4	0.281	7/25	7.1	0.093	3/32	2.4	143.5	9.89
STHT65-093-4*	0.094	3/32	2.4	0.344	17/50	8.7	0.125	1/8	3.2	157.0	10.82
STHT65-093-5*	0.094	3/32	2.4	0.469	23/50	11.9	0.187	3/16	4.7	170.6	11.76
STHT65-093-6*	0.094	3/32	2.4	0.594	3/5	15.1	0.25	1/4	6.4	177.0	12.20





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Part Number	ID			OD			Wall			Burst Pressure	
	in.	in. (Fraction)	mm.	in.	in. (Fraction)	mm.	in.	in. (Fraction)	mm.	psi**	BAR**
STHT65-125-1*	0.125	1/8	3.2	0.188	7/40	4.8	0.032	1/32	0.8	59.1	4.07
STHT65-125-2*	0.125	1/8	3.2	0.25	1/4	6.4	0.062	1/16	1.6	101.3	6.98
STHT65-125-3*	0.125	1/8	3.2	0.313	5/16	8	0.093	3/32	2.4	127.2	8.77
STHT65-125-4*	0.125	1/8	3.2	0.375	3/8	9.5	0.125	1/8	3.2	143.5	9.89
STHT65-125-5*	0.125	1/8	3.2	0.5	1/2	12.7	0.187	3/16	4.7	161.6	11.14
STHT65-125-6*	0.125	1/8	3.2	0.625	5/8	15.9	0.25	1/4	6.4	170.6	11.76

STHT65-156-1	0.156	4/25	4.0	0.219	11/50	5.6	0.032	1/32	0.8	48.1	3.32
STHT65-156-2	0.156	4/25	4.0	0.281	7/25	7.1	0.062	1/16	1.6	86.8	5.98
STHT65-156-3	0.156	4/25	4.0	0.344	17/50	8.7	0.093	3/32	2.4	113.2	7.80
STHT65-156-4	0.156	4/25	4.0	0.406	2/5	10.3	0.125	1/8	3.2	131.0	9.03
STHT65-156-5*	0.156	4/25	4.0	0.531	13/25	13.5	0.187	3/16	4.7	152.4	10.51
STHT65-156-6	0.156	4/25	4.0	0.656	13/20	16.7	0.25	1/4	6.4	163.9	11.30

STHT65-187-1	0.187	3/16	4.7	0.25	1/4	6.4	0.032	1/32	0.8	40.2	2.77
STHT65-187-2	0.187	3/16	4.7	0.313	5/16	8	0.062	1/16	1.6	75.5	5.21
STHT65-187-3	0.187	3/16	4.7	0.375	3/8	9.5	0.093	3/32	2.4	101.3	6.98
STHT65-187-4	0.187	3/16	4.7	0.438	11/25	11.1	0.125	1/8	3.2	119.9	8.27
STHT65-187-5*	0.187	3/16	4.7	0.653	13/20	14.3	0.187	3/16	4.7	143.5	9.89
STHT65-187-6*	0.187	3/16	4.7	0.688	7/10	17.5	0.25	1/4	6.4	157.0	20.82

STHT65-250-1*	0.25	1/4	6.4	0.313	3/10	8	0.032	1/32	0.8	30.0	2.07
STHT65-250-2	0.25	1/4	6.4	0.375	3/8	9.5	0.062	1/16	1.6	59.1	4.07
STHT65-250-3*	0.25	1/4	6.4	0.438	11/25	11.1	0.093	3/32	2.4	82.7	5.70
STHT65-250-4	0.25	1/4	6.35	0.5	1/2	12.7	0.13	1/8	3.18	101.3	6.98
STHT65-250-5*	0.25	1/4	6.35	0.63	3/5	15.88	0.19	3/16	4.76	127.2	8.77
STHT65-250-6*	0.25	1/4	6.35	0.75	3/4	19.05	0.25	1/4	6.35	143.5	9.89





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	in.	in. (Fraction)	mm.	in.	in. (Fraction)	mm.	in.	in. (Fraction)	mm.	psi**	BAR**
STHT65-312-1	0.31	5/16	7.94	0.38	3/8	9.53	0.03	1/32	0.79	23.6	1.63
STHT65-312-2	0.31	5/16	7.94	0.44	11/25	11.11	0.06	1/16	1.59	48.1	3.32
STHT65-312-3	0.31	5/16	7.94	0.5	1/2	12.7	0.09	3/32	2.38	69.2	4.77
STHT65-312-4	0.31	5/16	7.94	0.56	11/20	14.29	0.13	1/8	3.18	86.8	5.98
STHT65-312-5	0.31	5/16	7.94	0.69	7/10	17.46	0.19	3/16	4.76	113.2	7.80
STHT65-312-6*	0.31	5/16	7.94	0.81	4/5	20.64	0.25	1/4	6.35	131.0	9.03

STHT65-375-1*	0.38	3/8	9.53	0.44	11/25	11.11	0.03	1/32	0.79	19.3	1.33
STHT65-375-2	0.38	3/8	9.53	0.5	1/2	12.7	0.06	1/16	1.59	40.2	2.77
STHT65-375-3	0.38	3/8	9.53	0.56	11/20	14.29	0.09	3/32	2.38	59.1	4.07
STHT65-375-4	0.38	3/8	9.53	0.63	3/5	15.88	0.13	1/8	3.18	75.5	5.21
STHT65-375-5	0.38	3/8	9.53	0.75	3/4	19.05	0.19	3/16	4.76	101.3	6.98
STHT65-375-6*	0.38	3/8	9.53	0.88	7/8	22.23	0.25	1/4	6.35	119.9	8.27

STHT65-500-1*	0.50	1/2	12.7	0.56	11/20	14.29	0.03	1/32	0.79	14.0	0.97
STHT65-500-2	0.50	1/2	12.7	0.63	3/5	15.88	0.06	1/16	1.59	30.0	2.07
STHT65-500-3	0.50	1/2	12.7	0.69	7/10	17.46	0.09	3/32	2.38	45.2	3.12
STHT65-500-4	0.50	1/2	12.7	0.75	3/4	19.05	0.13	1/8	3.18	59.1	4.07
STHT65-500-5	0.50	1/2	12.7	0.88	7/8	22.23	0.19	3/16	4.76	82.7	5.70
STHT65-500-6*	0.50	1/2	12.7	1.0	1.00	25.4	0.25	1/4	6.35	101.3	6.98

STHT65-625-1*	0.63	5/8	15.88	0.69	7/10	17.46	0.03	1/32	0.79	10.9	0.75
STHT65-625-2	0.63	5/8	15.88	0.75	3/4	19.05	0.06	1/16	1.59	23.6	1.63
STHT65-625-3*	0.63	5/8	15.88	0.81	4/5	20.64	0.09	3/32	2.38	36.2	2.50
STHT65-625-4	0.63	5/8	15.88	0.88	7/8	22.23	0.13	1/8	3.18	48.1	3.32
STHT65-625-5	0.63	5/8	15.88	1.0	1	25.4	0.19	3/16	4.76	69.2	4.77
STHT65-625-6*	0.63	5/8	15.88	1.13	1 1/10	28.58	0.25	1/4	6.35	86.8	5.98





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Part Number	ID			OD			Wall			Burst Pressure	
	in.	in. (Fraction)	mm.	in.	in. (Fraction)	mm.	in.	in. (Fraction)	mm.	psi**	BAR**
STHT65-750-1*	0.75	3/4	19.05	0.81	4/5	20.64	0.03	1/32	0.79	8.8	0.61
STHT65-750-2*	0.75	3/4	19.05	0.9	7/8	22.23	0.06	1/16	1.59	19.3	1.33
STHT65-750-3*	0.75	3/4	19.05	0.94	9/10	23.81	0.09	3/32	2.38	30.0	2.07
STHT65-750-4	0.75	3/4	19.05	1	1	25.4	0.13	1/8	3.18	40.2	2.77
STHT65-750-5	0.75	3/4	19.05	1.13	1 1/10	28.58	0.19	3/16	4.76	59.1	4.07
STHT65-750-6	0.75	3/4	19.05	1.25	1 1/8	31.75	0.25	1/4	6.35	75.5	5.21

STHT65-875-1*	0.88	8/9	22.23	0.94	9/10	23.81	0.03	1/32	0.79	7.4	0.51
STHT65-875-2	0.88	8/9	22.23	1.0	1	25.4	0.06	1/16	1.59	16.3	1.12
STHT65-875-3*	0.88	8/9	22.23	1.06	1 3/50	26.99	0.09	3/32	2.38	25.4	1.75
STHT65-875-4	0.88	8/9	22.23	1.13	1 1/10	28.58	0.13	1/8	3.18	34.4	2.37
STHT65-875-5	0.88	8/9	22.23	1.25	1 1/4	31.75	0.19	3/16	4.76	51.3	3.54
STHT65-875-6	0.88	8/9	22.23	1.38	1 2/5	34.93	0.25	1/4	6.35	66.4	4.58

STHT65-1000-1*	1.00	1	25.4	1.06	1 3/50	26.99	0.03	1/32	0.79	6.3	0.43
STHT65-1000-2*	1.00	1	25.4	1.13	1 1/10	28.58	0.06	1/16	1.59	14.0	0.97
STHT65-1000-3*	1.00	1	25.4	1.19	1 1/5	30.16	0.09	3/32	2.38	22.0	1.52
STHT65-1000-4	1.00	1	25.4	1.25	1 1/4	31.75	0.13	1/8	3.18	30.0	2.07
STHT65-1000-5	1.00	1	25.4	1.38	1 2/5	34.93	0.19	3/16	4.76	45.2	3.12
STHT65-1000-6	1.00	1	25.4	1.5	1 1/2	38.1	0.25	1/4	6.35	59.1	4.07

*Please consult International Filter Products Inc. for availability.

**Burst pressure measurement is using ASTM D1599.

Sani-Tech® STHT®-65 Silicone Tubing – Packaging Option

- Custom Lay lines
- Bulk Spool Packaging
- Custom sizes available



www.internationalfilterproducts.com
 7914 Ajay Dr.
 Sun Valley, CA 91352
 Tel: (818) 504-8115 - Office
 Tel: (818) 917-9538 - Cell
 E-mail: sales@internationalfilterproducts.com



PROUD MEMBER
 Alliance for
 Pharmacy
 Compounding





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Sani-Tech® STHT-65 Silicone Tubing

Ordering Guide



[1]	[2]	[3]	[4]
Hardness	Inner Diameter [ID] Code	Wall Thickness Code	Coil
<ul style="list-style-type: none"> • C: 50 Shore • 65: 65 Shore 	<ul style="list-style-type: none"> • 031: 0.031 inch or 1/32 inch • 062: 0.0625 inch or 1/16 inch • 125: 0.125 inch or 1/8 inch • 156: 0.156 inch or 4/25 inch • 187: 0.1875 inch or 3/16 inch • 250: 0.250 inch or 1/4 inch • 312: 0.3125 inch or 5/16 inch • 375: 0.375 inch or 3/8 inch • 500: 0.500 inch or 1/2 inch • 625: 0.625 inch or 5/8 inch • 750: 0.750 inch or 3/4 inch • 875: 0.8750 inch or 8/9 inch • 1000: 1.00 inch or 1 inch 	<ul style="list-style-type: none"> • 1: 0.031 inch or 1/32 inch • 2: 0.063 inch or 1/16 inch • 3: 0.094 inch or 3/32 inch • 4: 0.125 inch or 1/8 inch • 6: 0.188 inch or 3/16 inch • 8: 0.250 inch or 1/4 inch 	<ul style="list-style-type: none"> • Blank: 25ft Coil • F: 50ft Coil • H: 100ft Coil

Example:

STHT-65-250-2

Sani-Tech® STHT-C Platinum Cured Silicone Tubing, ID 0.250 in X OD 0.375 in X Wall thickness 0.062 in, Burst Pressure 29.3 PSI, 25 Ft per Coil

Part Number

Description

