



1250 Tubing



Medical Products

Medically Pure Platinum-Cured Silicone Tubing

Features/Benefits

- Designed to meet specific needs of the medical customer
- Ultra-clear for precision handling of liquids
- Steam, radiation and EtO sterilizable
- Complete lot traceability
- JIT shipments available
- Standard and metric sizes available
- Custom sizes and configurations available

Typical Applications

- Peristaltic pumps
- Drug delivery
- Suction/irrigation lines

Bio-Sil® 1250 Tubing

Bio-Sil® 1250 is a medical-grade translucent silicone elastomer tubing available directly from Saint-Gobain. This product is ideally suited for hospital applications where strength, durability, long life and non-reactivity with bodily fluids and skin are of primary importance.

Characteristics

Bio-Sil® 1250 can be steam, radiation and ethylene oxide sterilized with physical properties minimally affected. This product remains flexible through a temperature range of -70°F to 450° F and can remain in storage for an extended period of time.

Biocompatibility

Bio-Sil® is a highly biocompatible silicone material designed specifically for medical applications. Bio-Sil® silicone tubing is manufactured and tested to USP Class VI criteria and has been found to be non-toxic in Systemic Toxicity, Intracutaneous Reactivity and Intramuscular Implant tests.

Bio-Sil® 1250 Sizes

Catalog Number	I.D. (inches)		O.D. (inches)		Wall (inches)		Length (feet)	I.D. (mm)		O.D. (mm)		Wall (mm)
30100		0.012		0.025		0.007	25'		0.305		0.635	0.178
30200		0.020		0.037		0.009	25'		0.508		0.940	0.229
30220		0.020		0.083	1/32	0.031	50'		0.508		2.108	0.794
30300		0.025		0.047		0.011	50'		0.635		1.194	0.279
30400		0.030		0.065		0.018	50'		0.762		1.651	0.457
30500	1/32	0.031	3/32	0.094	1/32	0.031	50'		0.794		2.381	0.794
30600		0.040		0.085		0.023	50'		1.016		2.159	0.584
30601		0.058		0.077		0.010	50'		1.473		1.956	0.254
30602	1/16	0.063	3/32	0.094		0.017	50'		1.588		2.413	0.432
30700	1/16	0.063	1/8	0.125	1/32	0.031	50'		1.588		3.175	0.794
30701		0.078	1/8	0.125		0.023	50'		1.981		3.175	0.584
30800	3/32	0.094	5/32	0.156	1/32	0.031	50'		2.381		3.969	0.794
30805		0.104		0.192		0.044	50'		2.642		4.877	2.642
30900	1/8	0.125	3/16	0.188	1/32	0.031	50'		3.175		4.763	0.794
31000	1/8	0.125	1/4	0.250	1/16	0.063	50'		3.175		6.350	1.588
30810		0.132		0.183		0.026	50'		3.353		4.648	0.660
31005	5/32	0.156	7/32	0.219	1/32	0.031	50'		3.969		5.556	0.794
31009	3/16	0.188	1/4	0.250	1/32	0.031	50'		4.763		6.350	0.794
31010	3/16	0.188	5/16	0.313	1/16	0.063	50'		4.763		7.938	1.588
31020	3/16	0.188	3/8	0.375	3/32	0.094	50'		4.763		9.525	2.381
31025	3/16	0.188	7/16	0.438	1/8	0.125	50'		4.763		11.113	3.175
31035	1/4	0.250	5/16	0.313	1/32	0.031	50'		6.350		7.938	0.794
31030	1/4	0.250	3/8	0.375	1/16	0.063	50'		6.350		9.525	1.588
31040	1/4	0.250	7/16	0.438	3/32	0.094	50'		6.350		11.113	2.381
31050	1/4	0.250	1/2	0.500	1/8	0.125	50'		6.350		12.700	3.175
31060	5/16	0.313	7/16	0.438	1/16	0.063	50'		7.938		11.113	1.588
31070	5/16	0.313	1/2	0.500	3/32	0.094	50'		7.938		12.700	2.381
31080	5/16	0.313	9/16	0.563	1/8	0.125	50'		7.938		14.300	3.175
31090	3/8	0.375	1/2	0.500	1/16	0.063	50'		9.525		12.700	1.588
31100	3/8	0.375	9/16	0.563	3/32	0.094	50'		9.525		14.288	2.381
31110	3/8	0.375	5/8	0.625	1/8	0.125	50'		9.525		15.875	3.175
31115	1/2	0.500	5/8	0.625	1/16	0.063	50'		12.700		15.875	1.588
31120	1/2	0.500	11/16	0.688	3/32	0.094	25'		12.700		17.463	2.381
31130	1/2	0.500	3/4	0.750	1/8	0.125	25'		12.700		19.050	3.175
31140	5/8	0.625	7/8	0.875	1/8	0.125	25'		15.875		22.225	3.175
31150	3/4	0.750	1	1.000	1/8	0.125	10'		19.050		25.400	3.175
31160	1	1.000	1-1/4	1.250	1/8	0.125	10'		25.400		31.750	3.175

Bio-Sil® 1250 Typical Physical Properties

Property	ASTM Method	Value or Rating
Durometer Hardness, Shore A	D2240	50
Color	—	Translucent
Tensile Strength, psi, (Mpa)	D412-92	1350 psi, 9.0 Mpa
Ultimate Elongation, %	D412-92	700
Tear Resistance, Die B, ppi	D624	250
Specific Gravity	D792	1.14
Tensile Modulus @ 100% Elongation, psi	D412-92	300

The values found in the Typical Physical Properties chart are typical values when post cured for 2 hours @ 177°C (350°F). For actual minimum values, please contact Saint-Gobain Performance Plastics, Taunton, MA and specify part number.

Bio-Sil® 1250 tubing is not intended for use as an implant material.

Bio-Sil® is a registered trademark.



Saint-Gobain Performance Plastics

700 Warner Blvd.
Taunton, MA 02780
Tel: (508) 823-7701
Fax: (508) 823-1438

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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