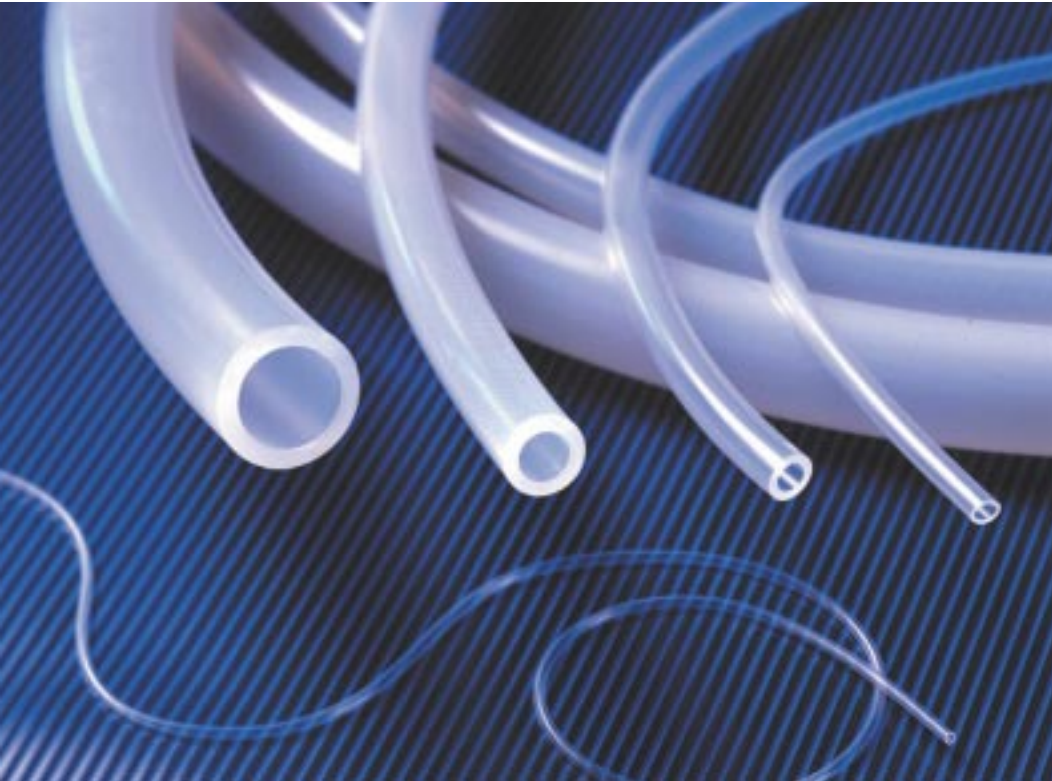




BIO-SIL® 1250



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

Bio-Sil® 1250

Bio-Sil® 1250 is a medical-grade translucent silicone elastomer tubing available directly from Saint-Gobain Performance Plastics. 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.

Biocompatibility

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

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.

Typical Applications

- Peristaltic Pumps
- Surgical Drains
- Catheters
- Feeding Tubes
- Drug Delivery
- Suction/Irrigation Lines



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

Bio-Sil® 1250 Typical Physical Properties

Property	ASTM Method	Value or Rating
Durometer Hardness	D-2240	50
Color	—	Translucent
Tensile Strength, psi, (Mpa)	D412-92	1350 psi, 9.0 Mpa
Ultimate Elongation, %	D412-92	700
Tear Resistance, Die B, ppi	D-624	250
Specific Gravity	D-792	1.14
Tensile Modulus @100 % Elongation, psi	D-412-92	300

The values found in the Typical Physical Properties chart are typical values when post cured for 2 hours @ 177C (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 IMPLANT MATERIAL.

Bio-Sil® is a registered trademark.

Saint-Gobain Performance Plastics

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IMPORTANT: It is the user's responsibility to ensure the suitability and safety of Health Markets Business 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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