VERSILON®
Engineered Versatility

Versilon® SR-1050 Tubing

VERSATILE SILICONE TUBING

Designed for Demanding Requirements

Versilon® SR-1050 silicone tubing is engineered to meet the demands of rigorous fluid transfer applications across a wide range of industries. Designed for applications requiring durability and resilience, it delivers outstanding physical performance, including high tensile strength, excellent elongation, and strong tear resistance.

The Leader in Silicone Tubing

Featuring FDA Regulation 21 CFR 177.2600 compliance for aqueous and fatty foods, Versilon® SR-1050 tubing is the trusted choice for food and beverage applications. Additionally, it offers excellent flexibility and consistent performance, even when exposed to harsh chemicals or high temperatures, making it ideal for chemical dispensing.

Typical Applications

- Food and Beverage Dispensing
- Cosmetic Dispensing and Production
- Chemical Dispensing
- Analytical Instrumentation

Features and Benefits

- Excellent flexibility
- Provides resiliency and durability
- Tear resistant
- Stable at high temperatures
- 50 Shore A hardness

Standards and Regulations*

- FDA Regulation 21 CFR 177.2600
- NSF®-51 certification

*For complete compliance information, including information on food types, contact conditions, and use restrictions, please refer to Saint-Gobain's food contact compliance statements (available upon request).

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Making a material impact
around the world.

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Part Number	ID	OD	Wall Thickness	Length	Max. Working Pressure	
	(in.)	(in.)	(in.)	(ft.)	73°F (psi)*	205°F (psi)*
SR1050-031-094F	1/32	3/32	1/32	50	19.0	15.6
SR1050-063-125F	1/16	1/8	1/32	50	10.4	9.5
SR1050-063-188F	1/16	3/16	1/16	50	19.3	15.8
SR1050-094-156F	3/32	5/32	1/32	50	7.5	7.4
SR1050-094-219F	3/32	7/32	1/16	50	13.5	11.6
SR1050-125-188F	1/8	3/16	1/32	50	6.0	6.4
SR1050-125-250F	1/8	1/4	1/16	50	10.5	9.6
SR1050-156-219F	5/32	7/32	1/32	50	5.2	5.8
SR1050-188-250F	3/16	1/4	1/32	50	4.6	5.3
SR1050-188-313F	3/16	5/16	1/16	50	7.6	7.5
SR1050-188-375F	3/16	3/8	3/32	50	10.5	9.5
SR1050-188-438F	3/16	7/16	1/8	50	13.4	11.6
SR1050-250-313F	1/4	5/16	1/32	50	3.9	4.8
SR1050-250-375F	1/4	3/8	1/16	50	6.1	6.4
SR1050-250-438F	1/4	7/16	3/32	50	8.3	8.0
SR1050-250-500F	1/4	1/2	1/8	50	10.5	9.5
SR1050-313-438F	5/16	7/16	1/16	50	5.2	5.8
SR1050-313-500F	5/16	1/2	3/32	50	7.0	7.0
SR1050-313-563F	5/16	9/16	1/8	50	8.7	8.3
SR1050-375-500F	3/8	1/2	1/16	50	4.6	5.4
SR1050-375-563F	3/8	9/16	3/32	50	6.1	6.4
SR1050-375-625F	3/8	5/8	1/8	50	7.5	7.4
SR1050-438-625F	7/16	5/8	3/32	50	5.5	6.0
SR1050-500-625F	1/2	5/8	1/16	50	3.9	4.9
SR1050-500-688F	1/2	11/16	3/32	50	5.0	5.6
SR1050-500-750F	1/2	3/4	1/8	50	6.1	6.4
SR1050-625-813F	5/8	13/16	3/32	50	4.3	5.2
SR1050-625-875F	5/8	7/8	1/8	50	5.2	5.8
SR1050-750-1000F	3/4	1	1/8	50	4.6	5.4
SR1050-1000-1250F	1	1-1/4	1/8	25	3.9	4.8
SR1050-1250-1500F	1-1/4	1-1/2	1/8	25	3.5	4.5

*Working pressures are calculated at a 1:5 ratio relative to burst pressure using ASTM D1599.

Typical Physical Properties

Property	ASTM Method	Value or Rating
Durometer Hardness, Shore A, 15s	D2240	50
Tensile Strength, psi (MPa)	D412	1410 (9.7)
Ultimate Elongation, %	D412	770
Tear Resistance, lb-f/in (kN/m)	D624 Die B	175 (31)
Specific Gravity	D792	1.14
Maximum Recommended Operating Temp., °F (°C)	—	392 (200)
Color	—	Translucent

Unless otherwise noted, all tests were conducted at room temperature 73°F (23°C). Values shown were determined on 0.075" (1.905 mm) thick extruded strip or 0.075" (1.905 mm) thick molded ASTM plaques or molded ASTM durometer buttons.

The values listed for working and burst pressures are derived from tests conducted under controlled laboratory conditions. Many factors will reduce the tubing's ability to withstand pressure, including temperature, chemical attack, stress, pulsation and the attachment to fittings. It is imperative that the user conduct tests simulating the conditions of the application prior to specifying the tubing for use.

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