

VERSILON™
Fluid Performance



Versilon™ ReVive

100% Pre-Consumer Recycled Tubing

Description

Versilon™ ReVive is a translucent thermoplastic elastomer (TPE) tubing extruded using 100% pre-consumer recycled content for fluid management with excellent sealing and welding properties. It has excellent chemical resistance to a wide range of aggressive chemicals, including acids or bases. Please refer to the chemical compatibility chart on the next page for a comparison to common alternatives.

Recycled materials can sometimes bring a level of concern regarding the raw material sources and associated lot traceability. For this reason, Saint-Gobain has vertically integrated the manufacturing process of Versilon™ ReVive. Production is carefully controlled by collecting specific materials from internal processes through extrusion of the final product. Inspection and lot traceability information is readily accessible as new batch numbers are assigned. The packaging of this material was also taken into consideration – to minimize the use of extraneous materials, tubing is packaged in a cardboard box without plastic wrap. The box contains up to 55% of recycled content and is 100% recyclable.

Saint-Gobain has the ability to create a variety of sizes and lengths for your particular needs. Contact us for a quote to meet your specific requirements.

Features and Benefits

- Excellent chemical resistance
- Produced with 100% pre-consumer recycled content
- Translucent, resulting in a visible fluid path
- Flexible for ease of assembly
- Temperature range from -76°F (-60°C) to 275°F (135°C)
- Sealable and weldable

Typical Markets and Applications

- Chemical Transfer
- Soap and Detergent Transfer
- Analytical Instruments

SAINT-GOBAIN

Versilon™ ReVive Tubing

www.ics.saint-gobain.com

Versilon™ ReVive

Part Number	ID		OD		Wall Thickness		Length		Min. Bend Radius		Max. Working Pressure*		Vacuum Rating	
	(in)	(mm)	(in)	(mm)	(in)	(mm)	(ft)	(m)	(in)	(mm)	73°F (psi)	23°C (bar)	73°F (inHg)	23°C (mmHg)
ATW00003	1/16	1.59	3/16	4.76	1/16	1.59	50	15.24	0.25	6.35	26	1.79	29.9	759.46
ATW00007	1/8	3.18	1/4	6.35	1/16	1.59	50	15.24	0.25	6.35	17	1.17	29.9	759.46
ATW00012	3/16	4.76	5/16	7.94	1/16	1.59	50	15.24	0.5	12.7	13	0.9	29.9	759.46
ATW00017	1/4	6.35	3/8	9.53	1/16	1.59	50	15.24	1	25.4	9	0.62	25	635
ATW00022	5/16	7.94	7/16	11.11	1/16	1.59	50	15.24	1.5	38.1	9	0.62	15	381
ATW00027	3/8	9.53	1/2	12.7	1/16	1.59	50	15.24	1.5	38.1	8	0.55	15	381
ATW00038	1/2	12.7	3/4	19.05	1/8	3.18	50	15.24	1.75	44.45	10	0.69	29.9	759.46
ATW00046	5/8	15.88	7/8	22.23	1/8	3.18	50	15.24	2.5	63.5	8	0.55	20	508
ATW00053	3/4	19.05	1	25.4	1/8	3.18	50	15.24	4	101.6	6	0.41	10	254

*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) 15 sec	D2240	55
Color	—	Translucent
Specific Gravity	D792	0.9
Max working temperature °F (°C)	—	275 (135)
Low Temp Flexibility °F (°C)	D380	-76 (-60)

Unless otherwise noted, all tests were conducted at room temperature 73°F (23°C). Values show were determined on 0.075" (6,35 mm) thick extruded strip, 1/4" ID x 3/8" OD extruded tubing, 0.075" (6,35 mm) thick molded ASTM plaques or molded ASTM durometer buttons.

Chemical Compatibility

Tubing Material	Acids	Bases	Salts	Oils	Ketones / Alcohol
	Conc. / Med. / Weak	Conc. / Med. / Weak			
Versilon™ ReVive	E / E / E	E / E / E	E	F	U
PVC Tubing	F / E / E	E / E / E	E	F	U
Silicone Tubing	U / U / U	U / F / F	F	E	U

Chemical Ratings:
E Excellent
F Fair
U Unsatisfactory

The values listed 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.

SAINT-GOBAIN

Saint-Gobain Performance Plastics

2664 Gilchrist Road
Akron, OH 44305

1-800-798-1554
Tel: (330) 798-9240
Fax: (330) 798-6968

www.ics.saint-gobain.com

NOTE: The data and details given in this document are correct and up to date. This document is intended to provide information about the product and possible applications. This document is not the product specification and does not provide specific features, nor does it guarantee product performance in specific applications. Saint-Gobain cannot anticipate or control the conditions of the field and for this reason strongly recommends that practical tests are conducted to ensure that the product meets the requirements of a specific application.

Versilon™ is a trademark of Saint-Gobain Performance Plastics.

©2024 Saint-Gobain Performance Plastics