



## Versilon™ CT-Flex

### **FEP and PFA Corrugated Tubing with Virtually Zero Bend Radius**

Versilon™ CT-Flex corrugated FEP or PFA tubing shapes and flexes easily and will conform to tortuous paths. It features a bend radius of virtually zero, can be extended or compressed without affecting the inner diameter. It resists chemicals, elevated temperatures, cut-through and strain. CT-Flex is made from FEP, has read-through transparency and is FDA approved under regulation 21 CFR 17.1550.

The non-wetting surface of Versilon™ CT-Flex tubing means easy clean-out, so that batch-to-batch contamination is not a problem. FEP contains no plasticizers or fillers to leach out and contaminate the product stream.

Versilon™ CT-Flex corrugated tubing is also available in PFA, and with the diameter of the straight cuff outer diameter size for use with compression fittings (fittings of PFA with locking ring are also available for outer diameter sizes tubing).



#### Features and Benefits

- Unique chemical, electrical and thermal properties
- Extension/compression length ratio is approximately 2:1
- Bend diameter is 1/2 of tubing inside diameter
- Maximum continuous service temperature is 200°F (93.3°C)/0 pressure
- Can extend or compress without affecting the inner diameter
- Available in FEP and PFA materials

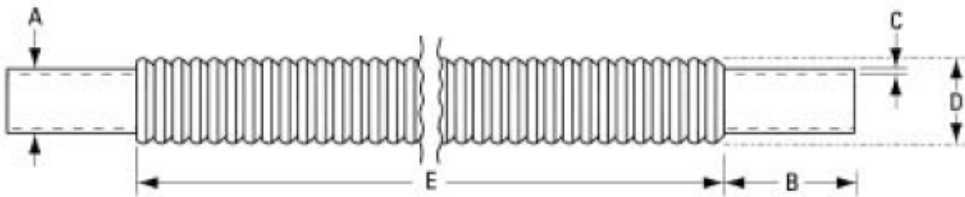
#### Typical Applications

- Aerospace
- Analytical
- Automotive
- Chemical
- Electrical
- Electronics
- Military
- Semiconductor

## Versilon™ CT-Flex

Size	A Max ID	B NOM	C NOM	D Ref. Only	E	Min. Bend Diameter	Unbraided Burst Pressure*	Corrugations per Foot
(in)	(in)	(in)	(in)	(in)		(in)	max. psi (73°F)	(min.)
1/4	0.250	3/4	0.017	3/8	To be specified at time of order. Unless otherwise indicated, material will be supplied with "B" dimension straight ends.  The maximum overall length is 12 feet.	1/8	200	92
3/8	0.375	1	0.020	9/16		3/16	140	76
1/2	0.500	1	0.025	3/4		1/4	110	60
5/8	0.625	1	0.025	15/16		5/16	90	50
3/4	0.750	1-1/2	0.030	1-1/16		3/8	90	42
7/8	0.875	1-1/2	0.030	1-1/4		7/16	80	36
1	1.000	2	0.035	1-3/8		1/2	70	32
1-1/4	1.250	2	0.035	1-5/8		5/8	50	30
1-1/2	1.500	2	0.035	1-13/16		3/4	40	26
2	2.000	2	0.040	2-5/8		1	30	22

\* Each individual application should be evaluated to determine the degree of safety factor to be used with these values.



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 pressures, 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.

**VERSILON™ CT-FLEX TUBING IS NOT INTENDED FOR USE AS AN IMPLANT MATERIAL.**

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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.