



Versilon™ ConvoFlex

FEP Tubing Designed for Elevated Temperatures

Versilon™ ConvoFlex (Convoluted Flexible) Tubing is specifically designed to be used with the Furon® line of Flare Grip molded PFA flare fittings. There is no need for expensive straight cuffs – ConvoFlex is easily cold flared with our FastFLARE™ cold forming tools.

Versilon™ ConvoFlex tubing is resistant to chemicals and elevated temperatures. It offers read-through transparency, and features a spiral design that aids in self-flushing and cleaning.

This tubing is used in the aerospace, semiconductor and chemical processing applications. Versilon™ ConvoFlex tubing has outstanding flexibility; high dielectric strength and superior chemical resistance – making it an excellent choice for wire conduit.



Features and Benefits

- Designed for use with Furon® Flare Grip fittings
- Flexible convoluted construction
- Available in FEP, PFA as well as most other fluoropolymers
- Easily cold flared for use with Furon® Flare Grip tube fittings
- Read-through transparency
- Virtually unlimited length capability
- No need for expensive straight cuffs
- Continuous flow path – self-flushing
- Pre-stuffed ConvoFlex with a smooth bore tube inside is available in FEP, PFA, and PFA high purity
- Excellent as chemically resistant wire conduit

Typical Applications

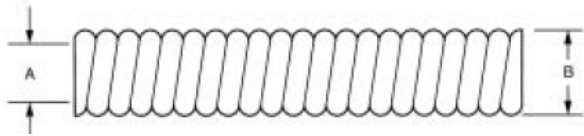
- Aerospace
- Chemical processing
- Semiconductor

Versilon™ ConvoFlex

A ID (in)	B OD (in)	Wall Thickness Nominal (in)	Burst Pressure* (73°F)	Bend Radius (in)	C _v **
1/4	3/8	0.020	100	1/2	0.31
3/8	1/2	0.023	70	3/4	0.83
1/2	5/8	0.025	60	1	1.64
5/8	3/4	0.025	50	1-1/2	2.78
3/4	7/8	0.025	40	2	4.56
7/8	1	0.025	38	2-1/2	8.20

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

** Based on a long radius sweep.



Diameters up to 4" are available on a custom run basis.

ConvoFlex tubing can be made from a wide range of materials including, but not limited to PFA, FEP or PVDF.

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™ CONVOFLEX TUBING IS NOT INTENDED FOR USE AS AN IMPLANT MATERIAL.



Saint-Gobain Performance Plastics
210 Harmony Road
Mickleton, NJ 08056

1-800-543-8823
Tel: (856) 423-6630
Fax: (856) 423-8182

Saint-Gobain Performance Plastics
2664 Gilchrist Road
Akron, OH 44305

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

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.

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