

# Versilon® Duality Tubing

## MULTI-PURPOSE, HIGH PURITY TUBING

### Fluoropolymer Lined Tubing

Versilon® Duality fluoropolymer lined tubing is a versatile, high-purity flexible tubing product designed to handle a variety of fluid transfer applications. Its excellent chemical and alcohol resistance makes it ideal for brewing and distilling processes, liquor dispensing and photo developing equipment.

Thanks to the use of FDA-approved jacket and liner, and the absence of plasticizers or fillers that can leach out, Versilon® Duality tubing imparts no odor or taste contamination to fluids that pass through it.

Lightweight and easy to install, Versilon® Duality tubing offers outstanding flex life, cleans easily and stands up well to low-temperature environments. No special fittings are required for Versilon® Duality tubing; compression fittings can be used, but Saint-Gobain recommends barbed fittings to ensure the integrity of the fluoropolymer liner.

### Typical Applications

- Liquor dispensing systems
- Photo development
- Environmental sampling tubes
- Bottle-filling equipment
- Brewing and distilling processes

### Features and Benefits

- Fluoropolymer lined construction
- Purity assured
- No plasticizers, fillers, or VCM
- Excellent alcohol and chemical resistance
- Rapid installation
- Translucent
- No liquid absorption
- No odor or taste contamination
- No special fittings required
- Jacket and liner made from FDA-approved resins
- Flexible
- Lightweight



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Part Number	ID (in)	OD (in)	Minimum FEP Wall (in)	Minimum Bend Radius (in)	Burst Pressure (psi)*	Weight (lbs) 1,000 ft.
TSFE4.125250PL1-50	1/8	1/4	0.010	1	900	18.2
TSFE4.187312PL2-50	3/16	1/4	0.010	1-1/4	350	13.0
TSFE4.250312PL4-50	1/4	5/16	0.010	6	300	16.1
TSFE4.250375PL5-50	1/4	3/8	0.010	1-1/2	600	30.3
TSFE4.375437PL7-50	3/8	7/16	0.012	4	200	25.6
TSFE4.375500PL8-50	3/8	1/2	0.012	4	350	45.45
TSFE4.500625PL9-50	1/2	5/8	0.015	6	250	58.8

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

## Specifications and Performance

Service temperature, -26°F (-32°C) to +179°F (82°C)

Jacket hardness Shore D43

Jacket density 0.920

Jacket chemical resistance

- Resistance to weak acids and bases
- Resists attack by strong oxidizing acids
- Fair resistance to strong bases
- Resistant to organic solvents below 140°F (60°C) except chlorinated solvents
- For ultraviolet-resistant grade, contact factory

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.



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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.

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