VERSILON®
Engineered Versatility

Versilon® SE-200 Tubing



PHTHALATE-FREE CHEMICALLY INERT TRANSFER TUBING

Excellent Chemical Resistance

Offering flexibility, glass-like clarity and outstanding bend radius, Versilon® SE-200 tubing can handle many applications where flexible tubing of the past could not be used. Its FEP inner liner provides the ultimate in chemical resistance and can accommodate a wide variety of fluids, from corrosives to MEK-based solvents. The inert liner limits the potential of fluid contamination during transfer.

Typical Applications

- Chemical processing
- Paint and solvent production and packaging
- Adhesive transfer lines
- Semiconductor processing
- Photographic processing equipment
- Ink and toner feed lines
- Fertilizer and pesticide distribution

Features and Benefits

- Crystal clarity
- Improved flexibility when compared to rigid fluoropolymer tubing
- Chemically resistant and inert
- Non-contaminating fluid path
- Contains no BPA or phthalates

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Part Number	ID	OD	Wall Thickness	Min. Bend Radius	Max. Working Pressure	
	(in)	(in)	(in)	(in)	73°F (psi)*	160°F (psi)*
AJD00002	1/16	1/8	1/32	1/2	100	45
AJD00007	1/8	1/4	1/16	1	85	40
AJD00012	3/16	5/16	1/16	1-1/2	75	38
AJD00017	1/4	3/8	1/16	2	55	35
AJD00028	3/8	9/16	3/32	3-1/2	50	25
AJD00038	1/2	3/4	1/8	4	45	18
AJD00053	3/4	1	1/8	4-1/2	30	12

*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	66
Color	—	Clear
Opacity	—	Translucent
Tensile Strength, psi (MPa)	D412	2200 (15.2)
Ultimate Elongation, %	D412	390
Tear Resistance, lb-f/in (kN/m)	D1004	250 (43.8)
Specific Gravity	D792	1.21
Water Absorption, % at 73°F (23°C) for 24 hrs.	D570	< 0.01
Compression Set Constant Deflection, % at 158°F (70°C) for 22 hrs.	D395 Method B	59
Maximum Recommended Operating Temp., °F (°C)	—	165 (74)
Brittleness by Impact Temp., °F (°C)	D746	-32 (-36)
Tensile Stress, psi (MPa) @ 200% Elongation	D412	1378 (9.5)
Tensile Set, %	D412	57

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

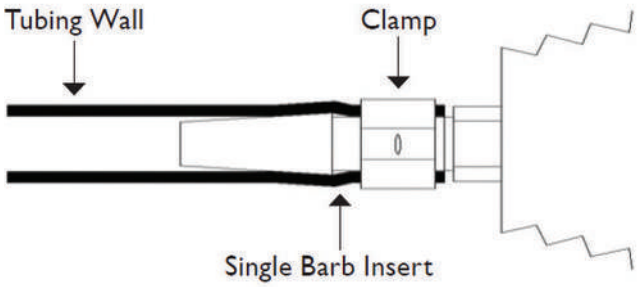
The values listed for working and burst pressures are derived from tests conducted under controlled laboratory conditions. Many factors will reduce the tubing's ability to withstand pressure, including temperature, chemical attack, stress, pulsation and the attachment to fittings. It is imperative that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

Fittings for Versilon® SE-200 Tubing

Single barb insert fitting is recommended for use with Versilon™ SE-200 tubing.

Single barb insert fittings have a land behind the barb that allows a clamp to be fastened over the tubing (see picture below). Note: please be sure not to over-tighten the clamp as it might result in damage to the tubing.

To facilitate entry of the fitting into the tubing, the outside diameter at the end of the tapered fitting must be smaller than the inside diameter.



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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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