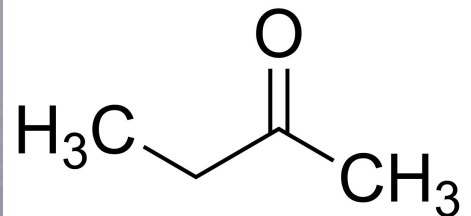




Phthalate-free Chemical Inert Transfer Tubing



Sustainable Flexible Tubing without phthalate

Versilon™ SE-200 is now phthalate-free. We are proud to be among the first companies to offer sustainable flexible tubing products. Versilon™ SE-200 combines the high performance standards customers demand with an eco-friendly tubing design.

Excellent Chemical Resistance

Offering flexibility, glass-like clarity and outstanding bend radius, Versilon™ SE-200 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. Versilon™ SE-200 will not impart odor or taste, making it well-suited for food and beverage use.

Meets FDA Criteria for Food Contact

Non-toxic, taste-free and odor-free, Versilon™ SE-200 meets FDA 21 CFR Part 177.1550 criteria for contact with food products.



Features and Benefits

- Crystal clarity
- Improved flexibility when compared to rigid fluoropolymer tubing
- Chemically resistant and inert
- Non-contaminating fluid path
- Meets FDA 21 CFR Part 177.1550 criteria for food contact
- Contains no BPA or phthalates

Typical Applications

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

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OPTUBUS believes that the information in this technical data sheet is an accurate description of the typical uses of the product. OPTUBUS, however, disclaims any liability for incidental or consequent damages, which may result from the use of the product that are beyond its control. Therefore it is the user's responsibility to thoroughly test the product in their particular application to determine its performance, efficiency and safety. Nothing contained herein is to be considered as permission or a recommendation to infringe any patent or any other intellectual property right.

Versilon™ SE-200 Standard Sizes

Part Number	ID	OD	Wall	Min. Bend Radius	Max. Working Pressure* 22°C (73°F)	Max. Working Pressure* 71°C (160°F)
TY1,59SE3,18	1,59 mm (1/16")	3,18 mm (1/8")	0,79 mm (1/32")	12,7 mm	6,9 bar	3,1 bar
TY3,18SE6,35	3,18 mm (1/8")	6,35 mm (1/4")	1,59 mm (1/16")	25,4 mm	5,8 bar	2,7 bar
TY4,76SE7,94	4,76 mm (3/16")	7,94 mm (5/16")	1,59 mm (1/16")	38,1 mm	5,1 bar	2,6 bar
TY6,35SE9,53	6,35 mm (1/4")	9,53 mm (3/8")	1,59 mm (1/16")	50,8 mm	3,8 bar	2,4 bar
TY9,53SE14,29	9,53 mm (3/8")	14,29 mm (9/16")	2,38 mm (3/32")	88,9 mm	3,4 bar	1,7 bar
TY12,7SE19,05	12,7 mm (1/2")	19,05 mm (3/4")	3,18 mm (1/8")	101,6 mm	3,1 bar	1,2 bar
TY19,05SE25,4	19,05 mm (3/4")	25,4 mm (1")	3,18 mm (1/8")	114,3 mm	2,1 bar	0,8 bar

*Working pressures are calculated at a 1:5 ratio relative to burst pressure using ASTM D1599

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.

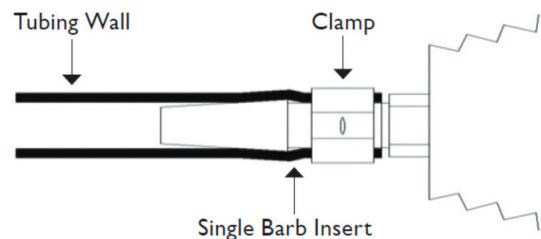
Typical Physical Properties of Versilon™ SE-200

Property	ASTM Method	Value of Rating
Durometer Hardness	D2240	66° Shore A, 15s
Color	-	Clear
Opacity	-	Translucent
Tensile Strength	D412	15,2 MPa (2200 psi)
Tear Resistance	D1004	43,8 kN/m (250 lb-ft/inch)
Ultimate Elongation	D412	390,00%
Specific Gravity	D792	1,21
Water Absorption 23°C for 24 hours	D570	<0,01 %
Compression Set Constant Deflection 70° C for 22 hours	D395 Method B	59,00%
Max. Recommended Operating Temp.	-	+74° C
Brittleness by Impact Temperature	D746	-36° C
Tensile Stress @200% Elongation	D412	9,5 MPa (1378 psi)
Tensile Set	D412	57,00%

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.

Fittings for Versilon™ SE-200

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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