



Tygon® E-70-V-CE

Taste Barrier Tubing for Food and Beverage Transfer

Non-Plasticized Inner Bore Yields No Taste

Tygon® E-70-V-CE tubing is specifically formulated to transfer water and beverages without imparting any “plastic” taste sometimes found in PVC tubing. It is produced with a smooth, plasticizer-free, hydrophobic inner surface to help maintain fluid purity. In addition, it meets FDA requirements for food contact, ensuring the safety of the user.

Great Performance

Tygon® E-70-V-CE tubing is made by the leading manufacturer of specialty tubing for the food and beverage industries. It's exceptionally flexible, allowing for tight bends and easy installation on dispensing units. Its special construction will ensure a long tubing life, lessening the need for constant replacement.

Customization Available to Meet Other Specifications

Tygon® E-70-V-CE tubing can be produced in a variety of sizes and lengths. Color matches or samples are available upon request. Our in-house compounding capabilities allow us to produce Tygon® E-70-V-CE tubing in many hardnesses and a variety of colors, either opaque or translucent. Its clarity allows for easy flow-monitoring.



Features and Benefits

- Plasticizer-free fluid pathway
- No taste
- Smooth inner surface
- Extremely low absorption rate
- Custom colors, sizes and lengths
- High clarity
- Meets FDA requirements for food contact
- Hydrophobic inner surface reduces taste transfer

Typical Physical Properties

Property	ASTM Method	Value or Rating
Durometer Hardness, Shore A, 15s	D2240-00	72 +/-5
Tensile Strength, psi (MPa)	D412-98	2,300 (15.8)
Ultimate Elongation, %	D412-98	240
Brittleness by Impact Temp., °F (°C)	D746-98	-47 (-44)
Specific Gravity	D792-00	1.20
Water Absorption, % at 73°F (23°C) for 24 hrs. (liner material)	D570-98	<0.01
Maximum Recommended Operating Temp., °F (°C)	—	160 (71)
Burst Pressure, psi, at 73°F (23°C)		
1/4" ID x 3/8" OD	D1599	205
5/16" ID x 7/16" OD	D1599	200
Bend Radius		
1/4" ID x 3/8" OD	—	3/4"
5/16" ID x 7/16" OD	—	1"
Color	—	Clear
Opacity	—	Clear
FDA Approved for Food Contact	—	Yes

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 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.

TYGON® E-70-V-CE 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.

Tygon® is a registered trademark.