

Saint-Gobain Tygon® SE-200 Inert Tubing Formulation

Category : Polymer , Thermoplastic

Material Notes:

Description: Tygon® SE-200: Without sacrificing the flexibility, glass-like clarity or outstanding bend radius for which Tygon® tubing is known, Tygon® Inert 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 handle a wide variety of fluids from corrosives to MEK-based solvents. The liner is inert, meaning it will not extract or contaminate fluids being transferred. The fluid path will not impart odor or taste, making it well-suited for food and beverage use. It meets FDA criteria for food and beverage applications, as well as USP Class VI criteria for biocompatibility. Tygon® Inert Tubing combines all the benefits of Tygon® with the inertness of a fluoropolymer, providing superior performance in many applications and industries.

Features/Benefits: Crystal Clarity Improved flexibility when compared to rigid fluoropolymer tubings Chemically resistant and inert Non-contaminating fluid path Meets FDA and USP Class VI Criteria Typical applications include Chemical Processing, Pharmaceutical Processing and Filling, 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. Information provided by Saint Gobain Performance Products.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Saint-Gobain-Tygon-SE-200-Inert-Tubing-Formulation.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.45 g/cc	1.45 g/cc	ASTM D792-91
Water Absorption	<= 0.010 %	<= 0.010 %	24 hours at 23°C; ASTM D570-95

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	67	67	15 seconds; ASTM D2240-97
Tensile Strength, Yield	13.8 MPa	2000 psi	ASTM D412-97
Elongation at Break	350 %	350 %	ASTM D412-97
100% Modulus	0.00448 GPa	0.650 ksi	ASTM D412-97
300% Modulus	0.0100 GPa	1.45 ksi	ASTM D412-97
Tear Strength	28.9 kN/m	165 pli	Initial Tear Strength; ASTM D1004-93
Compression Set	53 % @Temperature 70.0 °C	53 % @Temperature 158 °F	Constant Deflection, for 22 hrs.; ASTM D395-89 Method B
Tensile Set	76 %	76 %	ASTM D412-97

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	76.7 °C	170 °F	

Thermal Properties	Metric	English	Comments
Britleness Temperature	47.0 A°C	49.0 A°F	ASTM D146-95

Electrical Properties	Metric	English	Comments
Dielectric Strength	24.4 kV/mm	620 kV/in	ASTM D149-93

Descriptive Properties	Value	Comments
Color	Clear	

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