

Saint-Gobain Tygon® R-3400 UV Resistant Tubing Formulation

Category : Polymer , Thermoplastic

Material Notes:

Tygon® R-3400: Ideal for virtually any permanent or temporary chemical transfer application, Tygon® UV Resistant Tubing combines suppleness and flexibility with resistance to a wide range of chemicals. It shows exceptional resistance to strong acids and many alkalies. The flexibility of Tygon® UV Resistant Tubing makes it quick and easy to put into service, providing considerable savings on installation time and cost. Black in color, it is resistant to ultraviolet light, ozone and weathering, making it ideal for many outdoor applications. Standard sizes of Tygon® UV Resistant Tubing have sufficient wall thickness to block transmission of all UV light. Additionally, in-house testing indicates a UL 94V-O and UL 94HB flammability rating. Features/Benefits: Black in color; Protects light sensitive fluids Wide range of chemical resistance Ozone resistant Excellent burn resistance Low compression set; Resists permanent deformation Available in clear formulation for fluid flow monitoring Typical applications include Acid and Caustic Transfer, Corrosive Diffusible Gases, Fertilizer and Pesticide Dispensing, Electrical Insulation Lines, Ink and Adhesive Dispensing, General Maintenance Information provided by Saint Gobain Performance Products.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Saint-Gobain-Tygon-R-3400-UV-Resistant-Tubing-Formulation.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.31 g/cc	1.31 g/cc	ASTM D792-91
Water Absorption	0.19 %	0.19 %	24 hours at 23°C; ASTM D570-95

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	64	64	15 seconds; ASTM D2240-97
Tensile Strength, Yield	15.5 MPa	2250 psi	ASTM D412-97
Elongation at Break	350 %	350 %	ASTM D412-97
100% Modulus	0.00689 GPa	1.00 ksi	ASTM D412-97
Tear Strength	32.4 kN/m	185 pli	Initial Tear Strength; ASTM D1004-94
Compression Set	69 % @Temperature 70.0 °C	69 % @Temperature 158 °F	Constant Deflection, for 22 hrs.; ASTM D395-89 Method B
Tensile Set	66 %	66 %	ASTM D412-97

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	73.9 °C	165 °F	
Brittleness Temperature	-21.1 °C	-6.00 °F	ASTM D746-95

Electrical Properties	Metric	English	Comments
Dielectric Strength	19.3 kV/mm	490 kV/in	ASTM D149-95

Descriptive Properties	Value	Comments
Color	Black	

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