

Saint-Gobain Tygon® Noroprene® Chemical Tubing Formulation

Category : Polymer , Thermoplastic

Material Notes:

Noroprene® Chemical Tubing is a high performance co-extruded product specifically formulated to provide an ideal combination of chemical resistance and pump life. Its inert ultra-smooth plasticizer-free bore resists the absorption/adsorption of aqueous fluids while the Noroprene® outer jacket provides long flex life in peristaltic pumps. Noroprene® Chemical Tubing is an excellent choice for sensitive fluid transfer applications. Outstanding Chemical Life The inner liner of Noroprene® Chemical Tubing significantly increases the chemical resistance and allows for a broader range of usability. The tubing is virtually unaffected by acids, bases, salts, ketones and alcohols allowing its use in a wide range of chemical applications without the use of multiple tubings. Superior Pump Life The outer jacket of Noroprene® Chemical Tubing is extremely flexible, expanding the pump life of the tubing and reducing downtime due to pump tubing failure. Features and Benefits Long flex life in peristaltic pumps Temperature range of -75° F to 165° F Superior chemical resistance Plasticizer-free bore Meets FDA criteria for food contact Resists absorption adsorption of aqueous fluids Virtually unaffected by chemical sanitizers and cleaners Complies with FDA 21 CFR, 177.1520 criteria and is applicable for food contact applications Unaffected by most commercial sanitizers and cleaners Can be autoclaved for up to five cycle times without affecting its overall service life Regulatory Information: This product complies with FDA and NSF 51 criteria. Unless otherwise noted, all tests were conducted at room temperature. Values shown were determined on 1.9 mm thick extruded strip or 1.9 mm thick molded ASTM plaques or molded ASTM durometer buttons. Information provided by Saint Gobain Performance Products.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Saint-Gobain-Tygon-Noroprene-Chemical-Tubing-Formulation.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.980 g/cc	0.980 g/cc	ASTM D792
Water Absorption	<= 0.010 % @Temperature 22.8 °C, Time 86400 sec	<= 0.010 % @Temperature 73.0 °F, Time 24.0 hour	ASTM D570

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	61 @Time 15.0 sec	61 @Time 0.00417 hour	ASTM D2240
Tensile Strength	6.89 MPa	1000 psi	ASTM D412
Elongation at Break	375 %	375 %	ASTM D412
Tear Strength	21.0 kN/m	120 pli	ASTM D1004
Compression Set	30 % @Temperature 70.0 °C, Time 79200 sec	30 % @Temperature 158 °F, Time 22.0 hour	ASTM D395 Method B

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	73.9 Â°C	165 Â°F	
Brittleness Temperature	-59.4 Â°C	-75.0 Â°F	ASTM D746

Compliance Properties	Metric	English	Comments
FDA	Yes	Yes	
NSF	Yes	Yes	

Descriptive Properties	Value	Comments
Color	Cream	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China