

## Saint-Gobain Tygon® 2375 Ultra Chemical Resistant Tubing Formulation

Category : Polymer , Thermoplastic

### Material Notes:

Tygon® Ultra Chemical Resistant Tubing offers a combination of chemical resistance, clarity and flexibility. Tygon® 2375 replaces 2075. Tygon® Ultra Chemical Resistant Tubing is virtually unaffected by acids, bases, ketones, salts and alcohols, fitting the requirements of many applications from battery acid filling to hazardous material handling. It's entirely plasticizer-free, eliminating fluid contamination and the premature embrittlement and cracking common with many flexible tubings. Its exceptionally smooth inner surface inhibits particulate buildup and reduces the potential for contamination. Applications Battery acid filling Clean and degreaser transfer systems Fine and specialty chemical production Hazardous materials handling Ink and printing fluid dispensing Paint and solvent production Power generation sampling and drain lines X-ray processing Features and Benefits Resistant to highly aggressive chemicals Plasticizer-free -- minimizes risk of fluid contamination Exceptionally smooth inner surface inhibits particulate buildup Low sorption maintains fluid integrity Meets USP Class VI criteria 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-2375-Ultra-Chemical-Resistant-Tubing-Formulation.php](http://www.lookpolymers.com/polymer_Saint-Gobain-Tygon-2375-Ultra-Chemical-Resistant-Tubing-Formulation.php)

Physical Properties	Metric	English	Comments
Specific Gravity	0.900 g/cc	0.900 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	75 @Time 15.0 sec	75 @Time 0.00417 hour	ASTM D2240
Tensile Strength	13.1 MPa	1900 psi	ASTM D412
Elongation at Break	850 %	850 %	ASTM D412
100% Modulus	0.00293 GPa	0.425 ksi	ASTM D412
Tear Strength	42.1 kN/m	240 pli	ASTM D1004
Compression Set	100 % @Temperature 70.0 °C, Time 79200 sec	100 % @Temperature 158 °F, Time 22.0 hour	ASTM D395 Method B
Tensile Set	300 % @Strain 75.0 %	300 % @Strain 75.0 %	ASTM D412

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	54.4 °C	130 °F	
Minimum Service Temperature, Air	-75.0 °C	-103 °F	temperature limit for flexibility
Brittleness Temperature	-75.0 °C	-103 °F	ASTM D746

Optical Properties	Metric	English	Comments
Transmission, Visible	90 %	90 %	Clear, but value not quantified

Compliance Properties	Metric	English	Comments
FDA	Yes	Yes	
NSF	Yes	Yes	
USP Class VI	Yes	Yes	

Descriptive Properties	Value	Comments
Color	Clear	

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

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