

## Saint-Gobain Tygon® Tygoprene® XL-60 Pump Tubing Formulation

Category : Polymer , Thermoplastic

### Material Notes:

Designed specifically for use in peristaltic pump applications, Tygoprene® Pump Tubing maintains a pump life of over 500 hours. It is extremely flexible and exhibits superior flex life, reducing downtime due to pump tubing failure. Tygoprene® Pump Tubing is translucent in color and has excellent chemical resistance to a wide range of fluids, including acids and bases. It can be considered an alternative to silicones and PVC when longer pump life is required. Features and Benefits Long flex life in peristaltic pumps Low extractables Alternative to PVC Temperature resistant up to 250°F Meets 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-Tygoprene-XL-60-Pump-Tubing-Formulation.php](http://www.lookpolymers.com/polymer_Saint-Gobain-Tygon-Tygoprene-XL-60-Pump-Tubing-Formulation.php)

Physical Properties	Metric	English	Comments
Specific Gravity	0.900 g/cc	0.900 g/cc	ASTM D792-00
Water Absorption	0.070 %	0.070 %	ASTM D570-98
	@Temperature 22.8 °C, Time 86400 sec	@Temperature 73.0 °F, Time 24.0 hour	

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	60	60	ASTM D2240-03
	@Time 15.0 sec	@Time 0.00417 hour	
Tensile Strength	11.2 MPa	1630 psi	ASTM D412-98
Elongation at Break	770 %	770 %	ASTM D412-98
100% Modulus	0.00383 GPa	0.555 ksi	ASTM D412-98
Tear Strength	33.3 kN/m	190 pli	ASTM D1004-03
Compression Set	55 %	55 %	ASTM D395-03 Method B
	@Temperature 70.0 °C, Time 79200 sec	@Temperature 158 °F, Time 22.0 hour	
Tensile Set	100 %	100 %	ASTM D412-98

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	121 °C	250 °F	
Brittleness Temperature	-66.1 °C	-87.0 °F	ASTM D746-98

Electrical Properties	Metric	English	Comments
Dielectric Strength	21.7 kV/mm	550 kV/in	ASTM D149-97

Compliance Properties	Metric	English	Comments
FDA	Yes	Yes	
NSF	Yes	Yes	

Descriptive Properties	Value	Comments
Color	Translucent	

## Contact Songhan Plastic Technology Co.,Ltd.

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