

Saint-Gobain Versilicâ„¸ SPX-70I.B. High Strength Silicone Pressure Tubing Formulation

Category : Polymer , Thermoset , Silicone

Material Notes:

Description: Versilicâ„¸ SPX-70 I.B.: Produced form a proprietary combination of silicone elastomers, Versilicâ„¸ SPX-70 I.B. Tubing optimizes critical physical properties such as tensile strength, elongation and compression set, resulting in a more physically durable product. Its ultra-smooth inner bore reduces the risk of particle entrapment during fluid transfer. In addition, Versilicâ„¸ High-Strength Silicone Pressure Tubing will remain resilient and durable under extreme operating temperatures and repeated cleaning and sterilization. Versilicâ„¸ Silicone Tubing complies fully with the requirements of the USP Class VI Criteria and is entirely non-toxic, non-hemolytic and non-pyrogenic.

Features/Benefits:Provides resiliency, long life and durabilityUltra-smooth inner bore reduces risk of particulate entrapmentTough braid reinforcement permits use under elevated working pressuresTaste and odor freeWithstands repeated CIP and SIP cleaning and sterilizationTemperature resistant from -112Â°F to 320Â°FMeets FDA, 3-A ad NSF criteriaTypical applications include Veterinary Pharmaceuticals, Sterile Filling and Processing, Water Purification Systems, Cosmetic Production, Beverage Dispensing, Food and Dairy Processing, High Temperature Chemical Processing, Sanitary Fitting Assembly.

Information provided by Saint Gobain Performance Products.

Order this product through the following link:
http://www.lookpolymers.com/polymer_Saint-Gobain-Versilic-SPX-70IB-High-Strength-Silicone-Pressure-Tubing-Formulation.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.20 g/cc	1.20 g/cc	ASTM D792-91
Water Absorption	0.080 %	0.080 %	24 hours at 23Â°C; ASTM D570-95

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	71	71	15 seconds; ASTM D2240-91
Tensile Strength, Yield	8.27 MPa	1200 psi	ASTM D412-92
Elongation at Break	300 %	300 %	ASTM D412-92
200% Modulus	0.00483 GPa	0.700 ksi	ASTM D412-92
Tear Strength	22.8 kN/m	130 pli	Initial Tear Strength; ASTM D624-91 Die B
Compression Set	10 % @Temperature 70.0 Â°C	10 % @Temperature 158 Â°F	Constant Deflection, for 22 hrs.; ASTM D395-89 Method B
	30 % @Temperature 175 Â°C	30 % @Temperature 347 Â°F	Constant Deflection, for 22 hrs.; ASTM D395-89 Method B

Thermal Properties	Metric	English	Comments
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Thermal Properties <small>Temperature, Air</small>	Metric <small>°C</small>	English	Comments
Brittleness Temperature	-80.0 °C	-112 °F	ASTM D746-95

Electrical Properties	Metric	English	Comments
Dielectric Strength	20.1 kV/mm	511 kV/in	ASTM D149-93

Descriptive Properties	Value	Comments
Color	Translucent	

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