

Saint-Gobain Norton® Fluorglas® Chemfilm® DF2919 Fluoropolymer Tape

Category : Polymer , Film , Thermoplastic , Fluoropolymer , PTFE

Material Notes:

Description: Chemfilm® Fluoropolymer Cast Films and Tapes for Wire and Cable Industry: Multi-layer cast film process ensures inherently pin-hole free structure, therefore cast films possess superior dielectric properties. The multi-layer process is ideal for bulk and surface properties suited to most demanding applications. **DF2000 Series:** Combines fluoropolymers with the highest temperature rating and the best electrical properties with the mechanical integrity and dielectric strength of polyimide film. Heat sealable surfaces allow these tapes to be sealed to itself and other layers of fluoropolymer tape wrap insulation at regular wire processing temperatures and the fully sintered fluoropolymer base resin enables the films to be wrapped directly over the conductor. **DF2919/DF2929 Performance:** Test programs in both military and commercial aircraft markets indicate the benefits of a proper ratio between fluoropolymers and polyimides to give maximum protection against arc propagation and failure. **Applications include:** Wire and Cable Industry Applications Information provided by Saint Gobain Performance Products.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Saint-Gobain-Norton-Fluorglas-Chemfilm-DF2919-Fluoropolymer-Tape.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.70 g/cc	1.70 g/cc	ASTM D-792
Water Absorption	<= 0.25 %	<= 0.25 %	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	124 MPa	18000 psi	ASTM D-882
Elongation at Break	100 %	100 %	ASTM D-882
Tensile Modulus	1.72 GPa	250 ksi	ASTM D-882
Tear Strength	382 kN/m	2180 pli	Initial Tear Strength; ASTM D-1004

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	260 Â°C	500 Â°F	UL -746 B
Minimum Service Temperature, Air	-240 Â°C	-400 Â°F	
Flammability, UL94	V-0	V-0	

Electrical Properties	Metric	English	Comments
Surface Resistivity per Square	4.50e+17 ohm	4.50e+17 ohm	ASTM D-257
Dielectric Constant	2.6 @Frequency 60.0 - 1.00e+8 Hz	2.6 @Frequency 60.0 - 1.00e+8 Hz	ASTM D-150

Electrical Properties	Metric	English	Comments
Dielectric Strength	130 kV/mm	5000 V/in	ASTM D-149
Dissipation Factor	0.010	0.010	ASTM D-150

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