

Saint-Gobain Norton® Fluorglas® Chemfilm® DF1400 Non-Conductive PTFE Tape

Category : Polymer , Film , Thermoplastic , Fluoropolymer , PTFE , Polytetrafluoroethylene (PTFE), Molded

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. **DF1400 Series--Low noise cable applications:** The DF1400 has a non-conductive, fully fused, PTFE core coated with a conductive fluoropolymer formulation designed to be applied over jacketed wire and cable using standard tape-wrap equipment. It may be bondable with FEP or PFA. The DF1471 is a fully conductive PTFE that is also available with a conductive FEP surface. PTFE = polytetrafluoroethylene **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-DF1400-Non-Conductive-PTFE-Tape.php

Physical Properties	Metric	English	Comments
Specific Gravity	2.15 g/cc	2.15 g/cc	ASTM D-792
Water Absorption	<= 0.010 %	<= 0.010 %	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	27.6 MPa	4000 psi	ASTM D-882
Elongation at Break	400 %	400 %	ASTM D-882
Tensile Modulus	0.414 GPa	60.0 ksi	ASTM D-882

Thermal Properties	Metric	English	Comments
Melting Point	327 Â°C	620 Â°F	ASTM D-3418
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
Dielectric Constant	12 @Frequency 60.0 - 1.00e+8 Hz	12 @Frequency 60.0 - 1.00e+8 Hz	ASTM D-150
Dielectric Strength	165 kV/mm	4200 kV/in	ASTM D-149

Designation Factor	0.035	0.035	ASTM D-150
Electrical Properties	Metric	English	Comments

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