



CHEMFILM®

Engineered for Demanding Applications

DF1400 and DF1471

CHEMFILM® DF1400 and **DF1471** are multilayer cast PTFE films produced using a proprietary process. 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. The DF1471 is a fully conductive PTFE that is also available with a conductive FEP surface.

Features

- Uniform tensile properties in both machine and traverse direction
- Isotropic shrinkage as a function of temperature
- Polymers and additives may be added to individual layers to customize performance
- Superior performance in a wide range of chemical, thermal and electrical environments

Available in slit widths to 1", supplied in pad rolls; minimum quantities apply

Benefits

- Reduced risk of pinholes
- DF1400- Non-conductive
- DF1471- Fully conductive
- Isotropic tensile/elongation properties
- Available as master or slit rolls.
Master rolls also available at either 18" or 38" wide

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CHEMFILM® Typical Physical Properties*

Typical Properties	Test Method	Value
Mechanical Tensile Strength (psi) Elongation (%) Elastic Modulus (psi) Continuous Service Temp	ASTM D-882 ASTM D-882 ASTM D-882	4,000 400 60,000 +500°F, -400°F +260°C, -188°C
Electrical Dielectric Constant 60-10 ⁸ Hz Power/Dissipation Surface Resistivity Volume Resistivity Dielectric Strength (volts/mil) Surface Arc Resistance	ASTM D-150 ASTM D-150 ASTM D-257 ASTM D-257 ASTM D-149 ASTM D-495	12.0 0.036 Conductive Conductive 4,200 (DF1400 only) 0
Product Number	DF1400	DF1200
Available Gauge (mil) Colors	2.5 black	1.0-4.0 black

*Represent typical performance properties and should not be used for specification purposes

Contact your Saint-Gobain Performance Plastics representative for more information.



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