

## Saint-Gobain Norton® Fluorglas® Chemfilm® DF1900 Heat Bondable PTFE Film

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. DF1700/1900 Series: These films have a PTFE core with a thin layer of FEP or PFA (DF1700P) on one surface, which makes them heat bondable. Double bondable (DB) films are also available with PFA on both surfaces or FEP on one surface and PFA on the other surface. Laser markable (LM) films are also available. 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-DF1900-Heat-Bondable-PTFE-Film.php](http://www.lookpolymers.com/polymer_Saint-Gobain-Norton-Fluorglas-Chemfilm-DF1900-Heat-Bondable-PTFE-Film.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	29.6 MPa	4300 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
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
Volume Resistivity	>= 1.00e+15 ohm-cm	>= 1.00e+15 ohm-cm	
Surface Resistivity per Square	1.00e+18 ohm	1.00e+18 ohm	ASTM D-257
Dielectric Constant	2.0 @Frequency 60.0 - 1.00e+8 Hz	2.0 @Frequency 60.0 - 1.00e+8 Hz	ASTM D-150
Dielectric Strength	165 kV/mm	4200 kV/in	ASTM D-149

Designation Factor	$\geq 0.00010$	$\geq 0.00010$	ASTM D-150
Electrical Properties	Metric	English	Comments

**Contact Songhan Plastic Technology Co.,Ltd.**

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