

Fluon® ETFE Film

Ethylene Tetrafluoroethylene Copolymer

Asahi Glass Co., Ltd.

Message:

Fluon® ETFE Film is an Ethylene Tetrafluoroethylene Copolymer (ETFE) product. It is available in North America. Typical application: Film. Primary characteristic: chemical resistant.

General Information			
Features	Good Chemical Resistance		
Uses	Film		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.75	g/cm ³	ASTM D792
Water Absorption (Equilibrium)	0.030	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	> 39.0	MPa	JIS K7127
Tensile Elongation (Break)	200 to 510	%	JIS K7127
Thermal	Nominal Value	Unit	Test Method
Continuous Use Temperature	150 to 180	°C	
Melting Temperature	260	°C	
CLTE - Flow	9.4E-5	cm/cm/°C	ASTM D696
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+17	ohms·cm	ASTM D257
Dielectric Strength	120	kV/mm	ASTM D149
Dielectric Constant	2.60		ASTM D150
Dissipation Factor			ASTM D150
60 Hz	6.0E-4		
1 kHz	8.0E-4		
1 MHz	5.0E-3		
1.00 GHz	0.010		
Arc Resistance	120	sec	ASTM D495

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