

Asahi Glass Fluon® ETFE Film

Category : Polymer , Film , Thermoplastic , Fluoropolymer , ETFE/ECTFE , Fluorocarbon ETFE/ECTFE, Molded/Extruded

Material Notes:

Applications: Electronics, Energy Saving, Wallpaper, Sound Suppression Walls, Aviation and Space
Information provided by Asahi Glass Company, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Asahi-Glass-Fluon-ETFE-Film.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.75 g/cc	1.75 g/cc	ASTM D792
Water Absorption	0.030 %	0.030 %	ASTM D570

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	>= 39.0 MPa	>= 5660 psi	JIS K7127
Elongation at Break	200 - 510 %	200 - 510 %	JIS K7127

Thermal Properties	Metric	English	Comments
CTE, linear	94.0 µm/m-°C @Temperature 20.0 °C	52.2 µin/in-°F @Temperature 68.0 °F	ASTM D696
Melting Point	260 °C	500 °F	
Maximum Service Temperature, Air	150 - 180 °C	302 - 356 °F	Continuous

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+17 ohm-cm	1.00e+17 ohm-cm	ASTM D257
Dielectric Constant	2.6 @Frequency 1e+6 Hz	2.6 @Frequency 1e+6 Hz	ASTM D150
Dielectric Strength	120 kV/mm	3050 kV/in	ASTM D149
Dissipation Factor	0.00060 @Frequency 60 Hz	0.00060 @Frequency 60 Hz	ASTM D150
	0.00080 @Frequency 1000 Hz	0.00080 @Frequency 1000 Hz	ASTM D150
	0.0050 @Frequency 1e+6 Hz	0.0050 @Frequency 1e+6 Hz	ASTM D150

Electrical Properties	Metric	English	Comments
	@Frequency 1e+9 Hz	@Frequency 1e+9 Hz	ASTM D138
Arc Resistance	120 sec	120 sec	ASTM D495

Descriptive Properties	Value	Comments
Chemical Resistance	Excellent	

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