

Asahi Glass Fluon® LM-730AP LM-ETFE Fluororesin

Category : Polymer , Thermoplastic , Fluoropolymer , ETFE/ECTFE , Modified ETFE, Unreinforced

Material Notes:

Fluon®LM-ETFE combines the excellent properties in heat resistance and other mechanical properties owned by ETFE resin and the low melting point. Information provided by Asahi Glass Company, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Asahi-Glass-Fluon-LM-730AP-LM-ETFE-Fluororesin.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.78 g/cc	1.78 g/cc	ASTM D792
Melt Flow	20 - 30 g/10 min	20 - 30 g/10 min	ASTM D359

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	40.0 MPa	5800 psi	ASTM D638
Elongation at Break	400 %	400 %	ASTM D638
Flexural Modulus	0.647 GPa	93.8 ksi	ASTM D790
Izod Impact, Notched	NB	NB	ASTM D256

Thermal Properties	Metric	English	Comments
Melting Point	225 °C	437 °F	
Flammability, UL94	V-0	V-0	
Oxygen Index	40 %	40 %	ASTM D2863

Electrical Properties	Metric	English	Comments
Dielectric Constant	2.4	2.4	ASTM D150
	@Frequency 1000 Hz	@Frequency 1000 Hz	
	2.4	2.4	ASTM D150
	@Frequency 1e+6 Hz	@Frequency 1e+6 Hz	
Dissipation Factor	0.00070	0.00070	ASTM D150
	@Frequency 1000 Hz	@Frequency 1000 Hz	
	0.0082	0.0082	ASTM D150
	@Frequency 1e+6 Hz	@Frequency 1e+6 Hz	

Descriptive Properties	Value	Comments
10% Weight Loss °C	410	
Anti cracking at 200°C	excellent	
Heat Ageing (retention of elongation)	120%	
Heat Ageing (retention of tensile strength)	88%	

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