

Fluon® LM-ETFE 730AP

Ethylene Tetrafluoroethylene Copolymer

Asahi Glass Co., Ltd.

Message:

Fluon®LM-ETFE is a new fluororesin which combines the excellent heat resistant and mechanical properties of ETFE resin and the low melting point.

Features:

The melting point is 30-40 °C lower than that of conventional ETFE resin.

Film with excellent transparency can be produced.

Easier processing thanks to a wide window of possible processing.

General Information			
Features	Good Crack Resistance		
	Good Processability		
	High Clarity		
	High Heat Resistance		
Processing Method	Extrusion		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.78	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (297°C/5.0 kg)	20 to 30	g/10 min	ASTM D3159
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	40.0	MPa	ASTM D638
Tensile Elongation (Break)	400	%	ASTM D638
Flexural Modulus	647	MPa	ASTM D790
Aging	Nominal Value	Unit	Test Method
Retention of Tensile Elongation	120	%	ASTM D638
Retention of Tensile Strength	88	%	ASTM D638
Weight Loss on Heating - 10%	410	°C	TGA
Thermal	Nominal Value	Unit	Test Method
Melting Temperature	225	°C	DSC
Electrical	Nominal Value	Unit	Test Method
Dielectric Constant			ASTM D150
1 kHz	2.40		
1 MHz	2.40		
Dissipation Factor			ASTM D150
1 kHz	7.0E-4		
1 MHz	8.2E-3		
Flammability	Nominal Value	Unit	Test Method
Flame Rating	V-0		UL 94

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