

Lucky IF-870 Acrylic, High Flow Grade

Category : Polymer , Thermoplastic , Acrylic (PMMA) , Acrylic, General Purpose, Molded

Material Notes:

High flow for thin-walled injection molded parts and parts with long flow paths. May be UV stabilized. General Lucky PMMA qualities: Transparent/elegant appearance, high heat and weather resistance, excellent chemical resistance and coloring capability.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Lucky-IF-870-Acrylic-High-Flow-Grade.php

Physical Properties	Metric	English	Comments
Density	1.18 g/cc	0.0426 lb/in ³	ASTM D792
Linear Mold Shrinkage	0.0020 - 0.0060 cm/cm	0.0020 - 0.0060 in/in	ASTM D955-51
Melt Flow	23 g/10 min	23 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell M	84	84	ASTM D785
Tensile Strength, Ultimate	65.0 MPa	9430 psi	ASTM D638
Elongation at Break	2.5 %	2.5 %	ASTM D638
Flexural Yield Strength	90.0 MPa	13100 psi	ASTM D790
Flexural Modulus	3.20 GPa	464 ksi	ASTM D790

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	86.0 Â°C	187 Â°F	Heat Distortion Temp
	86.0 Â°C	187 Â°F	Deflection Temp; Load not reported; ASTM D648
Vicat Softening Point	85.0 Â°C	185 Â°F	ASTM D1525
Flammability, UL94	HB	HB	
	@Thickness 1.60 mm	@Thickness 0.0630 in	
	HB	HB	
	@Thickness 3.17 mm	@Thickness 0.125 in	

Optical Properties	Metric	English	Comments
Refractive Index	1.49	1.49	ASTM D542
Transmission, Visible	92 %	92 %	ASTM D1003

Electrical Properties	Metric	English	Comments
Dielectric Strength	20.0 kV/mm	508 kV/in	ASTM D149

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China