

Plaskolite Optix® CA-86 Clear General Purpose Acrylic Resin

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

Material Notes:

General purpose acrylic resin, extrusion and injection molding grade
Applications: A general-purpose acrylic resin designed for high heat application. This resin offers the highest heat resistance and stiffness among the CA acrylic resins.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Plaskolite-Optix-CA-86-Clear-General-Purpose-Acrylic-Resin.php

Physical Properties	Metric	English	Comments
Density	1.19 g/cc	0.0430 lb/in ³	ASTM D792
Melt Flow	1.6 g/10 min	1.6 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	72.4 MPa	10500 psi	ASTM D638
Elongation at Break	6 %	6 %	ASTM D638
Modulus of Elasticity	3.65 GPa	529 ksi	ASTM D638
Flexural Strength	117.2 MPa	17000 psi	ASTM D790
Izod Impact, Notched	0.160 J/cm	0.300 ft-lb/in	ASTM D256
Gardner Impact	0.226 J	0.167 ft-lb	Falling Weight; ASTM D3029GB

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	90.0 °C	194 °F	UL746 ABC Relative Thermal Index
Deflection Temperature at 1.8 MPa (264 psi)	104 °C	219 °F	ASTM D648
Flammability, UL94	HB	HB	

Optical Properties	Metric	English	Comments
Transmission, Visible	92 %	92 %	ASTM D1003

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