

Plaskolite Optix® CA-81 General Purpose Acrylic Resin

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

Material Notes:

Extrusion Grade Pellets. Highest Molecular weight.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Plaskolite-Optix-CA-81-General-Purpose-Acrylic-Resin.php

Physical Properties	Metric	English	Comments
Density	1.19 g/cc	0.0430 lb/in³	ASTM D792
Melt Flow	2.3 g/10 min	2.3 g/10 min	Condition 230/2-8; ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	67.0 MPa	9720 psi	ASTM D638
Elongation at Break	5 %	5 %	ASTM D638
Modulus of Elasticity	3.40 GPa	493 ksi	ASTM D638
Flexural Strength	111 MPa	16100 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	UL 746 ABC
Deflection Temperature at 1.8 MPa (264 psi)	98.0 °C	208 °F	ASTM D648
Vicat Softening Point	107 °C	225 °F	ASTM D1525
Flammability, UL94	HB	HB	

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

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