

Plaskolite Optix® CA-82 General Purpose Acrylic Resin

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

Material Notes:

Injection Molding Grade Pellets. Highest Molecular Weight, good heat resistance. Superior mold release.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Plaskolite-Optix-CA-82-General-Purpose-Acrylic-Resin.php

Physical Properties	Metric	English	Comments
Density	1.19 g/cc	0.0430 lb/in ³	ASTM D792
Melt Flow	2.7 g/10 min	2.7 g/10 min	Condition 230/2-8; ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	68.0 MPa	9860 psi	ASTM D638
Elongation at Break	5.0 %	5.0 %	ASTM D638
Modulus of Elasticity	3.00 GPa	435 ksi	ASTM D638
Flexural Strength	118 MPa	17100 psi	ASTM D790
Izod Impact, Notched	0.160 J/cm	0.300 ft-lb/in	ASTM D256

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)	96.0 °C	205 °F	ASTM D648
Vicat Softening Point	102 °C	216 °F	ASTM D1525
Flammability, UL94	HB	HB	

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

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