

Plaskolite Optix® CA-80 General Purpose Acrylic Resin

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

Material Notes:

Extrusion Grade Pellets. Unlubricated version of CA-81. Highest Molecular weight.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Plaskolite-Optix-CA-80-General-Purpose-Acrylic-Resin.php

Physical Properties	Metric	English	Comments
Density	1.19 g/cc	0.0430 lb/in ³	ASTM D792
Melt Flow	2.2 g/10 min	2.2 g/10 min	Condition 230/2-8; ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	69.0 MPa	10000 psi	ASTM D638
Elongation at Break	4.6 %	4.6 %	ASTM D638
Modulus of Elasticity	3.40 GPa	493 ksi	ASTM D638
Flexural Strength	105 MPa	15200 psi	ASTM D790

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)	91.0 °C	196 °F	ASTM D648
Vicat Softening Point	104 °C	219 °F	ASTM D1525
Flammability, UL94	HB	HB	

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

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