

Plaskolite Optix® CA-990 Impact Modified Acrylic Resin

Category : Polymer , Thermoplastic , Acrylic (PMMA) , Acrylic, Impact Modified, Molded

Material Notes:

Injection Molding and Extrusion Grade. Excellent surface gloss.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Plaskolite-Optix-CA-990-Impact-Modified-Acrylic-Resin.php

Physical Properties	Metric	English	Comments
Density	1.16 g/cc	0.0419 lb/in³	ASTM D792
Melt Flow	4.0 g/10 min	4.0 g/10 min	ASTM D1238
	@Load 3.80 kg, Temperature 230 °C	@Load 8.38 lb, Temperature 446 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength	50.3 MPa	7300 psi	ASTM D638
Elongation at Break	38 %	38 %	ASTM D638
Tensile Modulus	2.00 GPa	290 ksi	ASTM D638
Flexural Strength	75.8 MPa	11000 psi	ASTM D790
Izod Impact, Notched	0.534 J/cm	1.00 ft-lb/in	ASTM D256
Gardner Impact	3.62 J	2.67 ft-lb	Falling Weight; ASTM D3029GB

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	78.9 °C	174 °F	ASTM D648
Vicat Softening Point	112 °C	233 °F	ASTM D1525

Optical Properties	Metric	English	Comments
Transmission, Visible	91.3 %	91.3 %	Luminous Transmittance; ASTM D1003

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