

Plaskolite Optix® CA-927 Impact Modified Acrylic Resin

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

Material Notes:

Injection Molding Grade Pellets. Better impact strength than CA-924. Excellent surface gloss, optical clarity, and practical toughness.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Plaskolite-Optix-CA-927-Impact-Modified-Acrylic-Resin.php

Physical Properties	Metric	English	Comments
Density	1.16 g/cc	0.0419 lb/in³	ASTM D792
Melt Flow	4.5 g/10 min	4.5 g/10 min	Condition 230/3.8; ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	50.0 MPa	7250 psi	ASTM D638
Elongation at Break	5.3 %	5.3 %	ASTM D638
Modulus of Elasticity	2.00 GPa	290 ksi	ASTM D638
Flexural Strength	76.0 MPa	11000 psi	ASTM D790
Izod Impact, Notched	0.530 J/cm	0.993 ft-lb/in	ASTM D256
Gardner Impact	3.30 J	2.43 ft-lb	ASTM D3029 GB

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	79.0 °C	174 °F	ASTM D648
Vicat Softening Point	112 °C	234 °F	ASTM D1525
Flammability, UL94	HB	HB	

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

Processing Properties	Metric	English	Comments
Melt Temperature	221 - 254 °C	430 - 489 °F	

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