

Plaskolite Optix® CA - 927 High Impact Grade Acrylic Resin

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

Material Notes:

OPTIX® impact-modified grades offer 7 to 10 times the impact resistance of general purpose polymers while maintaining optical clarity. Information provided by Plaskolite, Inc.

Order this product through the following link:

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

Physical Properties	Metric	English	Comments
Density	1.15 g/cc	0.0415 lb/in ³	ASTM D-792
Linear Mold Shrinkage	0.0020 - 0.0060 cm/cm	0.0020 - 0.0060 in/in	ASTM D-955
Melt Flow	12 g/10 min @Load 3.80 kg, Temperature 230 °C	12 g/10 min @Load 8.38 lb, Temperature 446 °F	ASTM D-1238

Mechanical Properties	Metric	English	Comments
Tensile Strength	49.6 MPa	7200 psi	ASTM D-638
Elongation at Break	5.3 %	5.3 %	ASTM D-638
Modulus of Elasticity	2.38 GPa	345 ksi	ASTM D-638
Flexural Strength	48.3 MPa	7000 psi	ASTM D-790
Izod Impact, Notched	0.481 J/cm @Thickness 6.35 mm	0.900 ft-lb/in @Thickness 0.250 in	ASTM D-256
Gardner Impact	3.16 J @Thickness 3.17 mm	2.33 ft-lb @Thickness 0.125 in	Falling Weight; ASTM D-3029 GB

Thermal Properties	Metric	English	Comments
CTE, linear	100 µm/m-°C	55.6 µin/in-°F	ASTM D-696
Deflection Temperature at 1.8 MPa (264 psi)	73.3 °C	164 °F	ASTM D-648
Vicat Softening Point	108 °C	226 °F	ASTM D-1525

Optical Properties	Metric	English	Comments
Haze	<= 2.0 %	<= 2.0 %	ASTM D-1003
Transmission, Visible	90 %	90 %	ASTM D-1003

Optical Properties

Metric

English

Comments

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China