

## Plaskolite Optix® CA-1000 IG Clear High Impact Acrylic Resin

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

### Material Notes:

High impact acrylic resin, injection molding and extrusion grade  
Applications: A premium impact acrylic resin particularly suited for medical and food uses. This resin offers the best impact resistance and fracture toughness and is suited for Gamma irradiation treatment. Meets FDA CFR-21 Sec 177.1010 for food use. Meets USP Plastic Class VI for medical use.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Plaskolite-Optix-CA-1000-IG-Clear-High-Impact-Acrylic-Resin.php](http://www.lookpolymers.com/polymer_Plaskolite-Optix-CA-1000-IG-Clear-High-Impact-Acrylic-Resin.php)

Physical Properties	Metric	English	Comments
Density	1.15 g/cc	0.0415 lb/in <sup>3</sup>	ASTM D792
Melt Flow	1.6 g/10 min	1.6 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	40.0 MPa	5800 psi	ASTM D638
Elongation at Break	40 %	40 %	ASTM D638
Modulus of Elasticity	1.38 GPa	200 ksi	ASTM D638
Flexural Strength	46.9 MPa	6800 psi	ASTM D790
Izod Impact, Notched	0.640 J/cm	1.20 ft-lb/in	ASTM D256
Gardner Impact	7.34 J	5.42 ft-lb	Falling Weight; ASTM D3029GB

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	78.0 °C	172 °F	ASTM D648
Vicat Softening Point	100 °C	212 °F	Rate A, ASTM D1525
Flammability, UL94	HB	HB	

Optical Properties	Metric	English	Comments
Transmission, Visible	90.8 %	90.8 %	ASTM D1003

## Contact Songhan Plastic Technology Co.,Ltd.

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