

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

Category : Polymer , Thermoplastic , Acrylic (PMMA) , 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 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-West-Optix-CA-1000-IG-UC-Clear-High-Impact-Acrylic-Resin.php](http://www.lookpolymers.com/polymer_Plaskolite-West-Optix-CA-1000-IG-UC-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
Impact Test	6.10 J	4.50 ft-lb	Falling weight impact per ASTM D3029 GB

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

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