

## Plaskolite Optix® CA-41 General Purpose Acrylic Resin

Category : Polymer , Thermoplastic , Acrylic (PMMA) , Acrylic, General Purpose, Molded

**Material Notes:**

Injection Molding Grade Pellets only. Lowest Heat Resistance and maximum flow.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Plaskolite-Optix-CA-41-General-Purpose-Acrylic-Resin.php](http://www.lookpolymers.com/polymer_Plaskolite-Optix-CA-41-General-Purpose-Acrylic-Resin.php)

Physical Properties	Metric	English	Comments
Density	1.19 g/cc	0.0430 lb/in <sup>3</sup>	ASTM D792
Melt Flow	27 g/10 min	27 g/10 min	Condition 230/2-8; ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	54.0 MPa	7830 psi	ASTM D638
Elongation at Break	2.4 %	2.4 %	ASTM D638
Modulus of Elasticity	2.80 GPa	406 ksi	ASTM D638
Flexural Strength	81.0 MPa	11700 psi	ASTM D790
Izod Impact, Notched	0.160 J/cm	0.300 ft-lb/in	ASTM D256
Gardner Impact	0.226 J	0.167 ft-lb	Falling Weight; ASTM D3029GB

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	73.0 °C	163 °F	ASTM D648
Vicat Softening Point	90.0 °C	194 °F	ASTM D1525
Flammability, UL94	HB	HB	

Optical Properties	Metric	English	Comments
Transmission, Visible	92 %	92 %	Luminous Transmittance, ASTM D1003

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