

Plaskolite West Optix® CA-61 Clear UV General Purpose Acrylic Resin

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

Material Notes:

General purpose acrylic resin, injection molding and extrusion grade
Applications: A general-purpose acrylic resin designed primarily for injection molding. This resin offers a medium melt flow rate with good heat resistance.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Plaskolite-West-Optix-CA-61-Clear-UV-General-Purpose-Acrylic-Resin.php

| Physical Properties | Metric | English | Comments |
|---------------------|--------------|---------------------------|------------|
| Density | 1.19 g/cc | 0.0430 lb/in ³ | ASTM D792 |
| Melt Flow | 6.0 g/10 min | 6.0 g/10 min | ASTM D1238 |

| Mechanical Properties | Metric | English | Comments |
|----------------------------|-----------|-----------|-----------|
| Tensile Strength, Ultimate | 66.2 MPa | 9600 psi | ASTM D638 |
| Elongation at Break | 3.4 % | 3.4 % | ASTM D638 |
| Modulus of Elasticity | 3.03 GPa | 439 ksi | ASTM D638 |
| Flexural Strength | 107.6 MPa | 15610 psi | ASTM D790 |

| Thermal Properties | Metric | English | Comments |
|---|---------|---------|--------------------|
| Deflection Temperature at 1.8 MPa (264 psi) | 91.0 °C | 196 °F | ASTM D648 |
| Vicat Softening Point | 102 °C | 216 °F | Rate A, ASTM D1525 |
| Flammability, UL94 | HB | HB | |

| Optical Properties | Metric | English | Comments |
|-----------------------|--------|---------|------------|
| Transmission, Visible | 92 % | 92 % | ASTM D1003 |

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