

Plaskolite West Optix® CA-927 G HF Clear Impact Modified Acrylic Resin

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

Material Notes:

Impact modified acrylic resin, injection molding grade Applications: A high flow, impact-modified acrylic resin designed for medical or food uses. This resin offers impact strengths up to seven times of general-purpose acrylic resins 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. UV transmitting.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Plaskolite-West-Optix-CA-927-G-HF-Clear-Impact-Modified-Acrylic-Resin.php

Physical Properties	Metric	English	Comments
Density	1.15 g/cc	0.0415 lb/in ³	ASTM D792
Melt Flow	12 g/10 min	12 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	49.6 MPa	7190 psi	ASTM D638
Elongation at Break	25 %	25 %	ASTM D638
Modulus of Elasticity	2.38 GPa	345 ksi	ASTM D638
Flexural Strength	48.3 MPa	7010 psi	ASTM D790
Izod Impact, Notched	0.481 J/cm	0.900 ft-lb/in	ASTM D256
Gardner Impact	3.05 J	2.25 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	108 °C	226 °F	Rate A, ASTM D1525

Optical Properties	Metric	English	Comments
Transmission, Visible	90 %	90 %	ASTM D1003

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