

Lucite International Lucite® 41 Acrylic Resin for Casting and Embedments

Category : Polymer , Thermoplastic , Acrylic (PMMA)

Material Notes:

Lucite® 41 is a high molecular weight methyl methacrylate homopolymer for use in castings & embedments. Like all Lucite® Acrylic Resins for castings & embedments, Lucite® 41 offers: Exceptional Gloss; Very High Surface Hardness and Abrasion Resistance; Sparkle; Crystal Clarity; Outstanding Ultraviolet Light Resistance; Excellent Resistance to Water, Alcohol, Dilute Acids and Alkalis, Chemical Fumes, and Corrosive and Oxidizing Environments. Lucite International's Lucite® resins production process results in pure product to enable castings and embedments to be manufactured with exceptional optical clarity and sparkle. Information provided by Lucite International

Order this product through the following link:

http://www.lookpolymers.com/polymer_Lucite-International-Lucite-41-Acrylic-Resin-for-Casting-and-Embedments.php

Physical Properties	Metric	English	Comments
Density	1.19 g/cc	0.0431 lb/in ³	
Water Absorption	0.47 %	0.47 %	
Particle Size	75 - 105 Åµm	75 - 105 Åµm	
Viscosity Measurement	1.137 - 1.367	1.137 - 1.367	Inherent viscosity, 0.25 g polymer in 50 ml of methylene chloride; No. 50 Cannon-Fenske viscometer.

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell M	81	81	
Tensile Strength	55.0 MPa	7980 psi	
Elongation at Break	1.0 %	1.0 %	

Optical Properties	Metric	English	Comments
Refractive Index	1.491	1.491	
Transmission, Visible	92 %	92 %	

Processing Properties	Metric	English	Comments
Moisture Content	0.75 %	0.75 %	

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