

Lucite International Elvacite® 2021 Acrylic Resin

Category : Polymer , Thermoplastic , Acrylic (PMMA)

Material Notes:

Elvacite® 2021 is a high molecular weight methyl methacrylate polymer. It is used in barrier coatings for vinyl. Its high molecular weight provides excellent abrasion resistance. Information provided by Lucite International

Order this product through the following link:

http://www.lookpolymers.com/polymer_Lucite-International-Elvacite-2021-Acrylic-Resin.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.20 g/cc	1.20 g/cc	
Particle Size	110 - 230 µm	110 - 230 µm	
Viscosity Measurement	0.469 - 0.527	0.469 - 0.527	Inherent viscosity, 0.25 g polymer in 50 ml of methylene chloride; No. 50 Cannon-Fenske viscometer.
Molecular Weight	119000 g/mol	119000 g/mol	

Mechanical Properties	Metric	English	Comments
Tensile Strength	103 MPa	14900 psi	
Elongation at Break	4.0 %	4.0 %	

Thermal Properties	Metric	English	Comments
Glass Transition Temp, Tg	95.0 °C	203 °F	

Chemical Properties	Metric	English	Comments
Total Acid Number	0.00	0.00	

Processing Properties	Metric	English	Comments
Moisture Content	0.50 %	0.50 %	

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