

Lucite International Elvacite Â® 2010 Acrylic Resin

Category : Polymer , Thermoplastic , Acrylic (PMMA)

Material Notes:

ElvaciteÂ® 2010 is a medium molecular weight methyl methacrylate polymer. 2010 is excellent for use as a general purpose grade for lacquer coatings, such as barrier topcoats for vinyl. It provides high tensile strength and hardness. Applications: vinyl topcoats, general purpose grade for lacquers Information provided by Lucite International

Order this product through the following link:

http://www.lookpolymers.com/polymer_Lucite-International-Elvacite-2010-Acrylic-Resin.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.20 g/cc	1.20 g/cc	
Particle Size	180 - 200 Âµm	180 - 200 Âµm	
Viscosity Measurement	0.383 - 0.415	0.383 - 0.415	Inherent viscosity, 0.25 g polymer in 50 ml of methylene chloride; No. 50 Cannon-Fenske viscometer.
Molecular Weight	84000 g/mol	84000 g/mol	

Mechanical Properties	Metric	English	Comments
Hardness, Knoop	19	19	Tukon Hardness
Tensile Strength	72.4 MPa	10500 psi	
Elongation at Break	3.5 %	3.5 %	

Thermal Properties	Metric	English	Comments
Glass Transition Temp, Tg	98.0 Â°C	208 Â°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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