

Lucite International Elvacite Â® 2552 Acrylic Resin

Category : Polymer , Thermoplastic , Acrylic (PMMA)

Material Notes:

ElvaciteÂ® 2552 is a solid bead thermoplastic methacrylate copolymer intended for use in solvent based coating systems where high gloss and apparent depth of finish are important. This specially designed polymer is internally plasticized to resist cold cracking and crazing and to provide flexibility over a broad range of temperatures. ElvaciteÂ® 2552 exhibits excellent outdoor durability and resistance to ultraviolet degradation and chemical attack from solvents such as alcohol or gasoline. The resin may be used in refinish applications and transportation finishes such as automotive, motorcycle, and bicycle in multiple coats as a high gloss clear top coat, or as the main binder in high gloss glamour type pigmented base coats. ElvaciteÂ® 2552 demonstrates excellent adhesion to plastic substrates such as PS, ABS, and PVC as well as interlayer integrity and adhesion in multiple coat applications used to achieve depth. Solvent systems containing alcohol, methyl ethyl ketone, and toluene work well with ElvaciteÂ® 2552 whether the coating is applied mechanically or as an aerosol. Information provided by Lucite International

Order this product through the following link:

http://www.lookpolymers.com/polymer_Lucite-International-Elvacite-2552-Acrylic-Resin.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.08 g/cc	1.08 g/cc	
Density	1.079 g/cc	0.03898 lb/inÂ³	
Brookfield Viscosity	1100 cP	1100 cP	in Toluene, 37.5% solids
	@Temperature 25.0 Â°C	@Temperature 77.0 Â°F	
Brookfield Viscosity	2250 cP	2250 cP	in Toluene, 40.0% solids
	@Temperature 25.0 Â°C	@Temperature 77.0 Â°F	
Viscosity Measurement	0.33	0.33	Inherent viscosity, 0.25 g polymer in 50 ml of methylene chloride; No. 50 Cannon-Fenske viscometer.
Molecular Weight	75000 g/mol	75000 g/mol	

Mechanical Properties	Metric	English	Comments
Hardness, Knoop	15.5	15.5	Tukon Hardness

Thermal Properties	Metric	English	Comments
Glass Transition Temp, Tg	90.0 Â°C	194 Â°F	

Chemical Properties	Metric	English	Comments
Total Acid Number	0.00	0.00	

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