

Lucite International Elvacite Â® 2669 Acrylic Resin

Category : Polymer , Thermoplastic , Acrylic (PMMA)

Material Notes:

ElvaciteÂ® 2669, the first in this series, is a solid acrylic bead copolymer which can be dissolved in slightly alkaline aqueous systems. This distinct capability makes the product particularly suitable for end-uses where solvent emissions must be minimized or where the substrate may be sensitive to organic solvents. Clear, hard, abrasion resistant films and coatings may be obtained due to the polymethyl methacrylate backbone of this specially modified resin. These films show good adhesion to numerous substrates such as metal and plastic. The water-soluble characteristics of this polymer allow for its use in areas where temporary protection is desirable. Dilute ammoniated solutions may be used to remove the film. If a more permanent coating is required, formulations with zinc oxide may be prepared to enhance durability and improve water resistance. ElvaciteÂ® 2669 further exhibits good solubility in many ketones and esters as well as glycol ethers. Plasticizers such as butyl benzyl phthalate may be added to enhance flexibility and flow properties. Information provided by Lucite International

Order this product through the following link:

http://www.lookpolymers.com/polymer_Lucite-International-Elvacite-2669-Acrylic-Resin.php

| Physical Properties | Metric | English | Comments |
|-----------------------|-------------|----------------|--------------------|
| Specific Gravity | 1.20 g/cc | 1.20 g/cc | |
| Density | 1.10 g/cc | 0.0398 lb/inÂ³ | ASTM D-1475 |
| Viscosity Measurement | 0.32 | 0.32 | Inherent viscosity |
| Molecular Weight | 60000 g/mol | 60000 g/mol | |

| Thermal Properties | Metric | English | Comments |
|---------------------------|----------|---------|----------|
| Glass Transition Temp, Tg | 70.0 Â°C | 158 Â°F | |

| Chemical Properties | Metric | English | Comments |
|---------------------|--------|---------|----------|
| Total Acid Number | 124 | 124 | |

| Descriptive Properties | Value | Comments |
|-------------------------|-------|----------|
| Gardner-Holdt Viscosity | Z-6 | |

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