

## Lucite International Elvacite Â® 2045 Acrylic Resin

Category : Polymer , Thermoplastic , Acrylic (PMMA)

### Material Notes:

ElvaciteÂ® 2045 is a high molecular weight iso-butyl methacrylate polymer. ElvaciteÂ® 2045 is useful in topcoats for vacuum metallized plastics and in lacquers for other solvent â€" sensitive substrates. Softer than ElvaciteÂ® 2042 and 2043. Information provided by Lucite International

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Lucite-International-Elvacite-2045-Acrylic-Resin.php](http://www.lookpolymers.com/polymer_Lucite-International-Elvacite-2045-Acrylic-Resin.php)

| Physical Properties   | Metric       | English      | Comments                                                                                            |
|-----------------------|--------------|--------------|-----------------------------------------------------------------------------------------------------|
| Specific Gravity      | 1.09 g/cc    | 1.09 g/cc    |                                                                                                     |
| Viscosity Measurement | 0.59 - 0.68  | 0.59 - 0.68  | Inherent viscosity, 0.25 g polymer in 50 ml of methylene chloride; No. 50 Cannon-Fenske viscometer. |
| Molecular Weight      | 193000 g/mol | 193000 g/mol |                                                                                                     |

| Mechanical Properties | Metric   | English  | Comments       |
|-----------------------|----------|----------|----------------|
| Hardness, Knoop       | 8.0      | 8.0      | Tukon Hardness |
| Tensile Strength      | 24.8 MPa | 3600 psi |                |
| Elongation at Break   | 1.0 %    | 1.0 %    |                |

| Thermal Properties        | Metric   | English | Comments |
|---------------------------|----------|---------|----------|
| Glass Transition Temp, Tg | 50.0 Â°C | 122 Â°F |          |

| Chemical Properties | Metric | English | Comments |
|---------------------|--------|---------|----------|
| Total Acid Number   | 0.00   | 0.00    |          |

| Processing Properties | Metric | English | Comments |
|-----------------------|--------|---------|----------|
| Moisture Content      | 0.30 % | 0.30 %  |          |

## Contact Songhan Plastic Technology Co.,Ltd.

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