

## Lucite International Lucite<sup>®</sup> 47G Acrylic Bead Resin

Category : Polymer , Thermoplastic , Acrylic (PMMA) , Acrylic, General Purpose, Molded

### Material Notes:

Lucite<sup>®</sup> 47G is usually processed as a glass separation resin and has major particle size distribution between 80-100 mesh. It is a methyl methacrylate copolymer. General Lucite<sup>®</sup> Acrylic Bead Resin Information: Used in casting and embedment, compression molding, dental applications, or glass separation. End products have outstanding UV existence, Excellent weatherability, superior abrasion resistance, excellent resistance to water, alcohol, dilute acids and bases, chemical fumes, and corrosive/oxidizing environments, high gloss and hardness, water-white color and transparency, and resistance to discoloration when heated. Lucite<sup>®</sup> resins are available as minute spherical beads, water-white only (no tints) and transparent. Thermally stable to 230<sup>°</sup>C. At higher temperatures (260<sup>°</sup>C and above), they undergo smooth depolymerization to monomers, leaving negligible ash. Data provided by the manufacturer. Properties reported below are from test specimens machined from compression molded parts.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Lucite-International-Lucite-47G-Acrylic-Bead-Resin.php](http://www.lookpolymers.com/polymer_Lucite-International-Lucite-47G-Acrylic-Bead-Resin.php)

Physical Properties	Metric	English	Comments
Density	1.19 g/cc	0.0430 lb/in <sup>3</sup>	
Water Absorption	0.30 %	0.30 %	24h

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell M	95	95	
Tensile Strength, Ultimate	73.0 MPa	10600 psi	
Elongation at Break	4.0 %	4.0 %	23 <sup>°</sup> C, 50% RH

Optical Properties	Metric	English	Comments
Refractive Index	1.491	1.491	n <sub>D</sub>
Transmission, Visible	92 %	92 %	Luminous Transmission at 3.18 mm (0.125 in.)

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215, Fengxian District, Shanghai City, China