

Lucite International Lucite[®] 30B Acrylic Resin for Dental Applications

Category : Polymer , Thermoplastic , Acrylic (PMMA)

Material Notes:

Lucite 30B is a designed for use in the manufacture of dental appliances. Lucite 30B resin contains residual initiator which allows this polymer to be processed using either dough molding or dry compression molding techniques. Lucite[®] 30B can be blended with methyl methacrylate resins to impart softness. Lucite[®] 30B acrylic resins provides the benefits of improved flexibility and containing residual initiator. Information provided by Lucite International

Order this product through the following link:

http://www.lookpolymers.com/polymer_Lucite-International-Lucite-30B-Acrylic-Resin-for-Dental-Applications.php

| Physical Properties | Metric | English | Comments |
|-----------------------|-------------|---------------------------|---|
| Density | 1.18 g/cc | 0.0426 lb/in ³ | |
| Water Absorption | 0.29 % | 0.29 % | |
| Viscosity Measurement | 0.41 - 0.45 | 0.41 - 0.45 | Inherent viscosity, 0.25 g polymer in 50 ml of methylene chloride; No. 50 Cannon-Fenske viscometer. |

| Mechanical Properties | Metric | English | Comments |
|-----------------------|----------|----------|----------|
| Hardness, Rockwell M | 75 | 75 | |
| Tensile Strength | 37.0 MPa | 5370 psi | |
| Elongation at Break | 3.0 % | 3.0 % | |

| Optical Properties | Metric | English | Comments |
|-----------------------|--------|---------|----------|
| Refractive Index | 1.491 | 1.491 | |
| Transmission, Visible | 92 % | 92 % | |

| Processing Properties | Metric | English | Comments |
|-----------------------|--------|---------|----------|
| Moisture Content | 0.50 % | 0.50 % | |

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