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## GLASS FILLED FAST CURING ACRYLIC SPECIFICATION SHEET

|                             |   |   |
|-----------------------------|---|---|
| <b>Product Description:</b> | Glass filled fast curing clear acrylic mounting resin powder and liquid   |   |
| <b>Ingredients:</b>         | Powder – (poly) Ethyl Methacrylate<br>Liquid – IsoButyl Methacrylate, Ethyl Methacrylate  |   |
| <b>Applications:</b>        | Metallographic specimen mounting  |   |
| <b>Features:</b>            | <ul style="list-style-type: none"> <li>-Fast curing (2 minute potting, 10 minute cure)</li> <li>-Excellent edge retention</li> <li>-Opaque (black)</li> <li>-Easy to use</li> <li>-Flexible mixing ratios (lower viscosity)</li> <li>-Minimal shrinkage</li> <li>-Moderate curing temperature</li> <li>-Shore D90 hardness</li> </ul>   |   |
| <b>DOT Shipping:</b>        | <p>Powder – non-hazardous, non-regulated</p> <p>Liquid: For domestic ground shipment, containers less than 450 liter capacity are not regulated by DOT.</p> <p>For air and international shipping:<br/>         Proper Shipping Name: Isobutyl methacrylate, stabilized<br/>         Hazard Class: 3<br/>         Packing Group: III<br/>         DOT Label: Flammable liquid</p> |   |
| <b>Properties:</b>          | Cure time:  | 8-10 minutes                            |
|                             | Clarity:  | Semi-clear                              |
|                             | Hardness:   | Shore D 90-92                           |
|                             | Potting time:   | 2 minutes                               |
|                             | Mixing ratio:   | 3:2 standard<br>1:1 for lower viscosity |
|                             | Odor:   | Characteristic for ethyl methacrylates  |
|                             | Molecular Weight:   | 0.2-0.5 million g/mol                   |
|                             | Moisture:   | 0.5%                                    |
|                             | Filler:   | Microsized glass beads                  |