



Accura[®] e-Stone[™] Material

For use with solid-state stereolithography (SLA) Systems

Post-Cured Material

| MEASUREMENT | CONDITION | METRIC | U.S. |
|----------------------------------|-------------------------------------|----------------------|------------------|
| Tensile Strength (MPa/PSI) | ASTM D 638 | 37-39 | 5400-5600 |
| Tensile Modulus (MPa/KSI) | ASTM D 638 | 1500-1750 | 220-250 |
| Elongation at Break (%) | ASTM D 638 | 10-23 % | 10-23 % |
| Flexural Strength (MPa/PSI) | ASTM D 790 | 54-59 | 7800-8500 |
| Flexural Modulus (MPa/KSI) | ASTM D 790 | 1350-1750 | 220-250 |
| Impact Strength (J/m /Ft-lbs/in) | ASTM D 256 | 18-25 | 0.2-0.5 |
| Heat Deflection Temperature | ASTM D 648 @ 66 PSI @ 264 PSI | 58-63 °C 51-55 °C | 145 °F 131 °F |
| Glass Transition (Tg) | DMA, E'' | 60 °C | 140 °F |
| Hardness, Shore D | | 80 | 80 |

Liquid Material

| MEASUREMENT | CONDITION | VALUE |
|------------------------|-----------------|---------------------------------|
| Viscosity | @ 30 °C (86 °F) | 220 cps |
| Penetration Depth (Dp) | | 4.2 mils |
| Critical Exposure (Ec) | | 10.5 mJ/cm ² |
| Color | | Peach |
| Solid Density | @ 25 °C (77 °F) | 1.19 g/cm ³ at 25 °C |
| Liquid Density | @ 25 °C (77 °F) | 1.13 g/cm ³ at 25 °C |
| Tested Build Styles | | EXACT [™] |

Features

- Durable
- Accurate
- Selection of color
- Digital production

Benefits

- Compatible with standard dental lab practices
- Reduce breakage vs. plaster
- Decreased steps vs. impression based systems
- Increased visual detail for better margin viewing
- Reproducible and archivable for easy remakes

Applications

- Replacement for dental stone
- Crown and bridge restorations
- Orthodontic working and study models



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