



Accura[®] CastPro[™]

Casting Class

Highly accurate material for stable investment casting patterns using QuickCast[™] technology

Post-Cured Material

| MEASUREMENT | CONDITION | METRIC | U.S. |
|--|---------------------------------------|-----------|---------------|
| Tensile Strength (MPa/PSI) | ASTM D 638 | 52-53 | 7540-7690 |
| Tensile Modulus (MPa/KSI) | ASTM D 638 | 2490-2620 | 361000-380000 |
| Elongation at Break (%) | ASTM D 638 | 4.1-8.3 | 4.1-8.3 |
| Flexural Strength (MPa/PSI) | ASTM D 790 | 82-84 | 11890-12180 |
| Flexural Modulus (MPa/KSI) | ASTM D 790 | 2310-2340 | 335000-339000 |
| Impact Strength (J/m /Ft-lbs/in) | ASTM D 256 | 43-49.5 | 0.80-0.92 |
| Heat Deflection Temperature | ASTM D 648 @ 66 PSI @ 264 PSI | 51 | 124 |
| | | 50 | 122 |
| Coefficient of Thermal Expansion (CTE) | ASTM E 831-93 0-40 °C 50-140 °C | 102.9 | 57.2 |
| | | 160.2 | 89 |
| Water Absorption (%) | ASTM D 570-98 | 0.33 | 0.33 |
| Glass Transition (Tg) | DMA, E' | 60-62 | 140-144 |
| Hardness, Shore D | | 85 | 85 |

Features

- Produce accurate QuickCast[™] patterns
- Excellent humidity/moisture resistance
- High production speed

Liquid Material

| MEASUREMENT | CONDITION | VALUE |
|------------------------|-----------------|------------------------|
| Viscosity | @ 30 °C (86 °F) | 250 cps |
| Penetration Depth (Dp) | | 6.2 mils |
| Critical Exposure (Ec) | | 8.7 mJ/cm ² |
| Color | | Clear Amber |
| Solid Density | @ 25 °C (77 °F) | 1.17 g/cm ³ |
| Liquid Density | @ 25 °C (77 °F) | 1.08 g/cm ³ |



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