



Accura[®] PEAK[™]

Specialty Class

Stiff plastic material for heat-resistant components

Post-Cured Material

| MEASUREMENT | CONDITION | METRIC | U.S. |
|--|---------------|-----------|-------------|
| Tensile Strength (MPa/PSI) | ASTM D 638 | 57-78 | 8270-11320 |
| Tensile Modulus (MPa/KSI) | ASTM D 638 | 4220-4790 | 612-695 |
| Elongation at Break (%) | ASTM D 638 | 1.3 - 2.5 | 1.3 - 2.5 |
| Flexural Strength (MPa/PSI) | ASTM D 790 | 77-126 | 11170-18380 |
| Flexural Modulus (MPa/KSI) | ASTM D 790 | 4180-4790 | 606-695 |
| Impact Strength (J/m /Ft-lbs/in) | ASTM D 256 | 21.3-27.3 | 0.4-0.5 |
| Heat Deflection Temperature | ASTM D 648 | | |
| UV Postcure Only | @ 66 PSI | 78 °C | 172 °F |
| UV Postcure Only | @ 264 PSI | 59 °C | 138 °F |
| 120 °C thermal postcure | @ 66 PSI | 153 °C | 307 °F |
| 120 °C thermal postcure | @ 264 PSI | 124 °C | 255 °F |
| Coefficient of Thermal Expansion (CTE) | ASTM E 831-93 | | |
| | 0-50 °C | 48 | 27 |
| | 50-120 °C | 92 | 51 |
| Glass Transition (Tg) | DMA, E'' | | |
| UV Postcure Only | | 80 °C | 176 °F |
| 120 °C thermal postcure | | 85-90 °C | 185-194 °F |
| Hardness, Shore D | | 86 | 86 |

Liquid Material

| MEASUREMENT | CONDITION | VALUE |
|------------------------|-----------------|-------------------------|
| Viscosity | @ 30 °C (86 °F) | 605 cps |
| Penetration Depth (Dp) | | 5.6 mils |
| Critical Exposure (Ec) | | 11.5 mJ/cm ² |
| Color | | Translucent Amber |
| Solid Density | @ 25 °C (77 °F) | 1.36 g/cm ³ |
| Liquid Density | @ 25 °C (77 °F) | 1.32 g/cm ³ |

Features

- High heat resistance
- Very high rigidity and stiffness
- Excellent humidity/moisture resistance



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