



# Accura<sup>®</sup> PEAK<sup>™</sup>

## 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          |

### Features

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

### Liquid Material

| MEASUREMENT            | CONDITION       | VALUE                   |
|------------------------|-----------------|-------------------------|
| Viscosity              | @ 30 °C (86 °F) | 625 cps                 |
| Penetration Depth (Dp) |                 | 5.6 mils                |
| Critical Exposure (Ec) |                 | 11.5 mJ/cm <sup>2</sup> |
| Color                  |                 | Translucent Amber       |
| Solid Density          | @ 25 °C (77 °F) | 1.36 g/cm <sup>3</sup>  |
| Liquid Density         | @ 25 °C (77 °F) | 1.32 g/cm <sup>3</sup>  |



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