



# 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

### 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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