



# Accura<sup>®</sup> Phoenix

A thermally resistant plastic that provides high clarity parts.

## Post-Cured Material

MEASUREMENT	CONDITION	METRIC (PCA ONLY)	METRIC (THERMAL PC*)	U.S. (PCA ONLY)	U.S. (THERMAL PC*)
Tensile strength (MPa   PSI)	D638	45-61	52-77	6530-8850	7540-11170
Tensile modulus (MPa   KSI)	D638	2340-2640	2620-2940	339-383	380-426
Elongation at break (%)	D638	3-5 %	2-6 %	3-5 %	2-6 %
Flexural strength (MPa   PSI)	D790	96-100	123-139	13920-14500	17840-20160
Flexural modulus (MPa   KSI)	D790	2140-2330	2290-2410	310-338	332-350
Izod impact notched, (J/m   ft-lbs/in)	D256	13-19	18-23	0.2-0.4	0.3-0.4
Heat deflection temperature	D648 @ 66 PSI @ 264 PSI	83 °C 64 °C	137 °C 103 °C	181 °F 147 °F	279 °F 217 °F
Coefficient of Thermal Expansion (ppm/K   ppm/°F)	20-50 °C	41.3	56.7	22.9	31.5
	60-90 °C	96.6	-	53.7	-
	80-120 °C	-	65.7	-	36.5
Glass Transition (Tg)	DMA, E''	63 °C	NA	145 °F	NA
Hardness, Shore D	D2240	80	80	80	80

\* 2 hours at 80° C

## Liquid Material

MEASUREMENT	CONDITION	VALUE
Viscosity	@ 30 °C (86 °F)	120-130 cps
Penetration depth (Dp)		6.4 mils
Critical exposure (Ec)		11.7 mJ/cm <sup>2</sup>
Color		Clear/Transparent
Liquid density	@ 25 °C (77 °F)	1.13 g/cm <sup>3</sup>

## Features

- High thermal resistance enhances automotive and other demanding applications
- Exceptional clarity improves
  - Viewing of hot fluid flow in complex automotive parts
  - Viewing of internal structures in assembly work
- Moderate stiffness and rigidity improves assembly operations
- Formulated without addition of antimony



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