

HEK Resin

HEK is a rigid, tough material with a good combination of strength and elongation.



		Cured Parts	Standard
Tensile Properties	TENSILE STRENGTH	70.496 MPa	ASTM D638
	ELASTICITY MODULUS	2.6 GPa	ASTM D638
	ELONGATION AT BREAK	14.05%	ASTM D638
	YIELD ELONGATION	5.68%	-
	YIELD STRESS	70.5 Mpa	-
Flexural Properties	BENDING STRENGTH	93.83 MPa	ASTM D790
	FLEXURAL MODULUS	2.5 GPa	ASTM D790
Temperature Properties	DISTORTION TEMPERATURE @0.45MPa	82 °C	ASTM D648 - 07
General Properties	HARDNESS	85 Shore D	ASTM D785
	VISCOSITY	450-500 cP	-
	STANDARD COLOR	Yellow trans/Black	-
	CTE @ 60C	110 $\mu\text{m}/\text{m}/^\circ\text{C}$	-

¹ Final properties are dependent on print conditions, post-processing operations, and part geometry.

² Test samples were UV cured and heat cured.