

# HEK Resin

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



		Cured Parts	Standard
Tensile Properties	TENSILE STRENGTH	48.5 MPa	ASTM D638
	ELASTIC MODULUS	1169 MPa	ASTM D638
	ELONGATION AT BREAK	7.1%	ASTM D638
Flexural Properties	FLEXURAL STRENGTH	50.6 MPa	ASTM D790
	FLEXURAL MODULUS	1.7 GPa	ASTM D790
Thermal Properties	HDT @ 0.45 MPa	51.5 °C	ASTM D648 - 07
	CTE @ 60C	109 µm/m/°C	-
General Properties	CONTACT ANGLE	45-60°	ASTM D7334
	WATER ABSORPTION (24h)	2.28%	ASTM D570
	DIELECTRIC CONSTANT (10 GHz)	3.3	-
	DF	0.0225	-
	HARDNESS	78 Shore D	ASTM D785
	VISCOSITY	450-500 cP	-
	STANDARD COLOR	Yellow trans/Black	-
	COMPATIBLE BMF SYSTEMS	P130, S130, P140, S140, S230, S240	-

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

<sup>2</sup> Test samples were UV cured and heat cured.