

HEK Resin

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



| | | Cured Parts | Standard |
|---------------------|------------------------------|------------------------------------|----------------|
| Tensile Properties | TENSILE STRENGTH | 53.8 MPa | ASTM D638 |
| | ELASTIC MODULUS | 2000 MPa | ASTM D638 |
| | ELONGATION AT BREAK | 14.4% | 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 | - |

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

² Test samples were UV cured and heat cured.