



High Temp 230

Heat-Resistant Material with Consistent Performance at High Temperatures

With a heat deflection temperature of 230°C at 0.455 MPa/66 psi, it offers excellent thermal stability and high-temperature resistance, ideal for high-temperature applications.

Components for long-term high-temperature use

PEEK-like properties

Mold cores, manifolds, heat exchangers

All data is from Flashforge Materials Lab. Results may vary with different standards, equipment, processes, and conditions.

	Test Method	Typical Value
Tensile Properties		
Tensile Modulus	ASTM D638 Type V 1 mm/min	3600 MPa
Tensile Strength	ASTM D638 Type V 1 mm/min	80 MPa
Elongation at Break	ASTM D638 Type V 1 mm/min	3%
Flexural Properties		
Flexural Strength	ASTM D790-B	140 MPa
Flexural Modulus (Chord, 0.5-1%)	ASTM D790-B	4300 MPa
Impact Properties		
Notched Izod Impact	ASTM D256	40 J/m
Unnotched Izod Impact	ASTM D4812	300 J/m
Thermal Properties		
Heat Deflection Temperature at 0.455 MPa/66 psi	ASTM D648	230 °C
Heat Deflection Temperature at 1.82 MPa/264 psi	ASTM D648	210 °C
General Properties		
Hardness	ASTM D2240	92,Shore D
Taber Abrasion	ASTM D4060 CS-17, 1 kg, 100% vacuum	20 mg/ 1000 cycles
Liquid Properties		
Liquid Density	–	1.15 g/mL
Viscosity at 25°C	–	500 cP