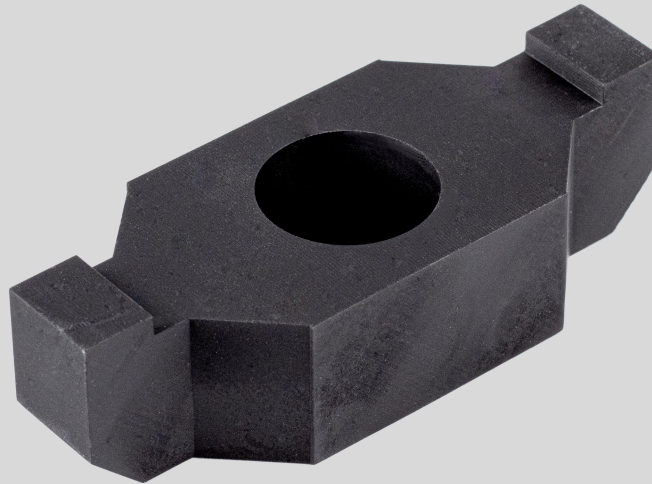


HT 32

High Temperature Resin

HT 32 is a stiff and heat-resistant material with an HDT of 270°C. It has excellent long-term stability at temperature up to 125°C, excellent surface finish and good toughness to sustain high mechanical stress in molding processes. It is ideal for prototypes and terminal parts in high temperature applications and injection molding molds.



Black



High Temperature



High Stiffness



Dimensional Stability



Surface Finish

HT 32 Technical Data Sheet :

Tensile Properties, ASTM D638, Type IV	Metric	U.S.
Tensile Modulus, 1 mm/min	3713 MPa	538.50 ksi
Ultimate Tensile Strength, 10 mm/min	60.3 MPa	8.74 ksi
Elongation at Break, 10 mm/min	2.03 %	2.03 %
Impact Properties	Metric	U.S.
Notched Izod (Machined), 23 °C, ISO 180/A	1.65 kJ/m ²	0.79 ft-lb/in ²
Flexural Properties, ASTM D790, 1 %/min	Metric	U.S.
Flexural Strength	114.7 MPa	16.63 ksi
Flexural Modulus	4082 MPa	592.02 ksi
Thermal Properties, ASTM D648	Metric	U.S.
Heat Deflection Temperature@ 0.455 MPa/66 psi, ASTM D648	270.0 °C	518 °F
General Properties	Metric	
Hardness, Shore D, ASTM D2240	93D	
Density (cured resin), ASTM D792	1.24 g/cm ³	
Density (liquid resin), ASTM D4052	1.15 g/cm ³	
Viscosity, 25 °C , ASTM D2196	2180 cps	
Water Absorption, 24 hours, 23 °C , ASTM D570	0.38 %	

The above TDS data is tested and verified in LuxCreo's 3D printing system. The mechanical properties of the material may vary based on print orientation, print settings and the choice of post-process technology. Please refer to LuxCreo's material "Application Guide" or consult after-sales to select suitable parameters for best performance of the material. Improper use of materials or non-compliance with material "Application Guide" may result in changes in mechanical properties and colors. LuxCreo reserves the right to change material properties and formulations without notice.