

High Temperature Resistant Resins

Temperature Resistant Materials for Final Parts Production

Unique 3D printing materials for functional production parts that withstands high temperature requirements.

IDEAL FOR

- » Functional prototyping
- » Encapsulation
- » Mounts and housings
- » HVAC Components
- » Clips and Plugs for Control Systems/Cabinets
- » Connectors, Electronic Housings

PROPERTIES

- » Printable at room temperature
- » Outstanding performance and durability vs. other resins in the market
- » Easy to print at high resolution



3860 HDT180 High Temperature

Rigid resin with high temperature resistance

Rigid resin that withstands high temperature stress and it is ideal for applications where high resolution and high HDT is required.

Benefits:

- » No deformation, more durable
- » Survives longer to temperature stress
- » Easy to print with high print resolution

PROPERTY ¹	METHOD	
Colour	–	Black
HDT at 0.455 Mpa	ASTM D648	185°C
Tensile Stress at Break (MPa)	ASTM D638	39
Elongation at Break (%)	ASTM D638	2
Young's Modulus (MPa)	ASTM D638	3,500
HDT at 0.455 MPa	ASTM D2240	80



IND147 HDT230 High Heat

High temperature resin for tooling & molding

Rigid resin designed for tooling and molding applications owing to its high stiffness and high temperature resistance withstanding up to 230°C

Benefits:

- » Good dimensional stability
- » Good surface finish

PROPERTY ¹	METHOD	
Colour	–	Black
HDT at 0.455 Mpa	ASTM D648	238°C
Tensile Stress at Break (MPa)	ASTM D638	75
Elongation at Break (%)	ASTM D638	6
Young's Modulus (MPa)	ASTM D638	3,168
Flexural Modulus (MPa)	ASTM D790	3,900
Shore Hardness (D)	ASTM D2240	94

¹All data after post-cure 3in accordance with TDS.