


HIGH HEAT DEFLECTION
TEMP OF 238 °C @
0.45 MPA

NOT GREAT FOR
SNAP FIT/FLEXIBLE
PARTS

WELL SUITED FOR
MOLDS, INSERTS, AND
HOUSINGS



Description
High Temp Resin is designed to be used in high-temperature scenarios such as; ducting, molding, and for the automotive and aerospace industries. It has a heat deflection temperature of 289 degrees Celsius. It can endure high temperatures with minimal loading. It has almost no flex.

Uses
Mold prototyping
Thermoforming
Hot air & fluid flow

Colors
○

Material Properties

Brittleness	●●●●○	Hardness	●●●●○
Heat Deflection	●●●●●	Elongation	●○○○○

	Metric	Imperial
Mechanical Properties		
Ultimate Tensile Strength	48.7 MPa	8456 psi
Tensile Modulus	2.8 GPa	399 ksi
Elongation at Failure	3.3 %	3.3 %
Flexural Properties		
Flexural Strength at Break	94.5 GPa	13706 ksi
Flexural Modulus	2.8 GPa	400 ksi
Impact Properties		
Notched IZOD	16.9 J/m	0.34 ft-lbf/in
Temperature Properties		
Thermal Expansion (0-150 °C)	74.5 μm/m/°C	44.2 μin/in/°F
Heat Deflection Temp @ 0.45 MPa	238 °C	248 °F
Heat Deflection Temp @ 1.8 MPa	101 °C	172 °F

**Data was obtained from Formlabs technical data sheets at formlabs.com