

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



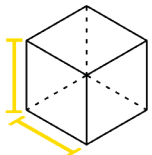
Heat Deflection



Elongation



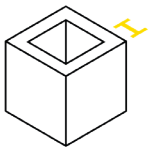
Maximum Build Volume



145 mm x 145 mm x 175 mm
5.7 in x 5.7 in x 6.9 in

The maximum size we are able to print for this material.

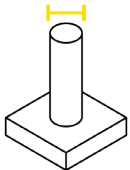
Minimum Wall Thickness



0.6 mm
0.236 in

The minimum thickness a wall can be printed.

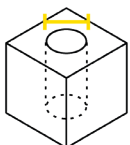
Minimum Vertical Wire Diameter



0.3 mm
0.01 in

The minimum diameter a pin can be printed at.

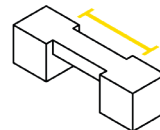
Minimum Hole Diameter



0.5 mm
0.021 in

The minimum diameter a technology can successfully print a hole.

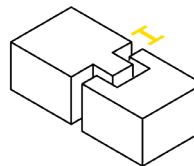
Max Unsupported Bridge Length



1 mm
0.39 in

The span a material can print without the need for support material.

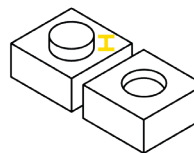
Minimum Clearance



0.35 mm
0.013 in

The recommended clearance between two moving or connecting parts.

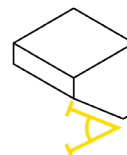
Minimum Detail



0.1 mm
0.0039 in

The recommended height of details that are raised or recessed below the model surface.

Maximum Overhang Angle



19 degrees

The maximum angle a wall can be printed at without requiring support.