

BASF**Ultracur3D® RG 3280**

This material is a ceramic-filled composite material offering an extremely high stiffness around 10 GPa and a HDT above 280°C. This material finds applications in tooling, molding, and wind tunnel testing. Despite the high particle loading, the viscosity is kept low and the settling of particles is limited, making this resin very easy to handle and print. It meets biocompatibility standards for cytotoxicity.

Features

- Superior stiffness
- Superior temperature performance
- Very fast and easy to print
- High suspension stability
- Ceramic-like color and feel
- Biocompatible capable per ISO10993-5

Applications

- Tooling
- Molding
- Wind Tunnel Testing

Solid Part Density

1.73 g/cc

Ultimate Tensile Strength

87 MPa

Elongation at Break

1.3 %

Shore Hardness

96 D

Tensile Modulus

10600 MPa

HDT, 1.82 MPa

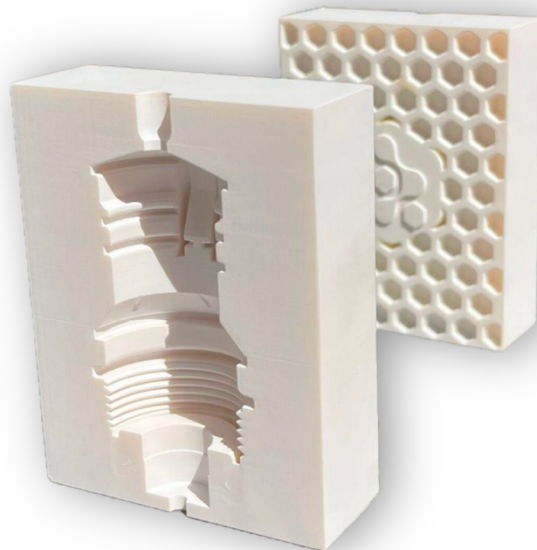
132°C

HDT, 0.455 MPa

284°C

Flammability

UL94 HB

[Technical Data Sheet](#)[Safety Data Sheet](#)