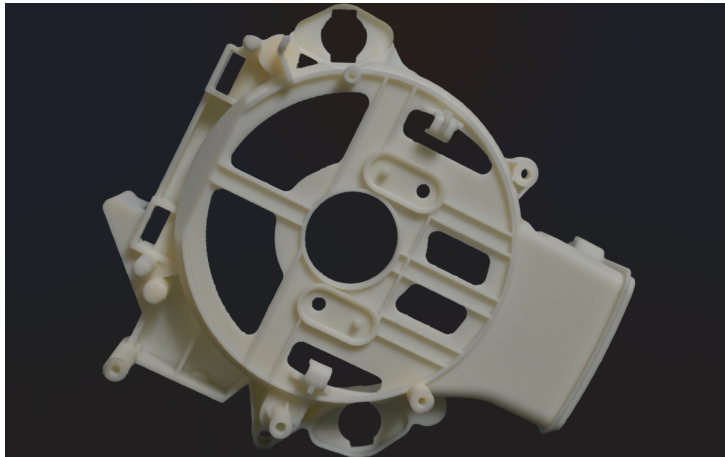


Temp R150

RESINS FOR SLA 3D PRINTING



MATERIAL NAME

Temp R150

COLOR

White

PROCESS

SLA

PRODUCT DESCRIPTION

Temp R150 is a white light-curing molding resin specially designed for SLA 3D printing. Samples made with it not only have high temperature resistance (after curing, the heat deformation temperature reaches more than 130°C); they also have the characteristics of high toughness, high precision and reliable surface quality. It is not only suitable for printing samples with higher temperature resistance requirements, but is also particularly suitable for printing thin-walled parts.

TYPICAL APPLICATIONS

- High-temperature functional parts
- Assembly testing
- Functional prototype testing
- Medical devices and equipment

PRODUCT SAFETY

Handle printed parts according to normal workshop safety practices. Review material-specific handling, finishing, and operating requirements before use.

PRODUCT DELIVERY & WAREHOUSING

- **STORAGE**
Store parts in a clean, dry environment away from moisture, direct sunlight, and heat.
- **TRANSPORTATION**
Pack parts with cushioning and moisture protection. Avoid impact, compression, and prolonged exposure to heat during transit.

PROPERTIES OF PRINTED MATERIAL

Properties	Test Method	Value
Density (g/cm3)	ISO 1183	1.18 g/cm3
Hardness	ISO 868	Shore D 87
Tensile strength (MPa)	ISO 527	57 MPa
Tensile modulus (MPa)	ISO 527	1750 MPa
Elongation at break	ISO 527	6%
Flexural strength (MPa)	ISO 178	105 MPa
Flexural modulus (MPa)	ISO 178	3034 MPa
Heat deflection temperature @ 0.45 MPa (deg C)	ISO 75	HDT @ 0.45 MPa: 136 deg C
Heat deflection temperature @ 1.8 MPa (deg C)	ISO 75	HDT @ 1.8 MPa: 100 deg C
Impact strength notched	ASTM D256	17 J/m; ASTM D256 (Izod)

Tips: Want to explore a wider range of materials? Check out <https://www.unionfab.com/materials>