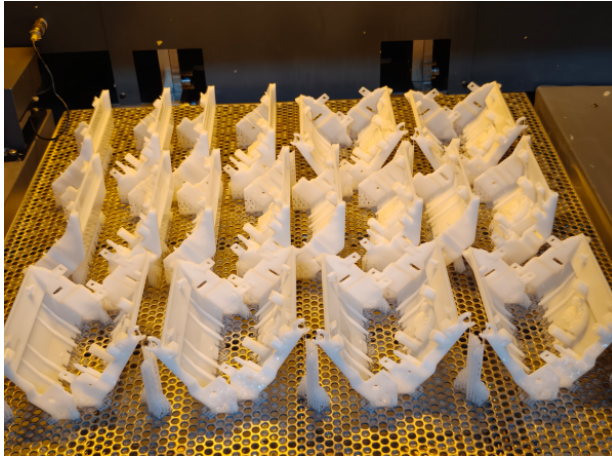


TUF 68

RESINS FOR SLA 3D PRINTING



MATERIAL NAME

TUF 68

COLOR

White

PROCESS

SLA

PRODUCT DESCRIPTION

TUF 68 is a tough photo-curing resin suitable for SLA equipment, with excellent dimensional accuracy and dimensional stability. Suitable for tooling fixtures, functional prototypes, electronic accessories and small batch production

TYPICAL APPLICATIONS

- Assembly testing
- Functional prototype testing
- Appearance display
- Consumer products and industrial design

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	1.11 g/cm3
Hardness	ISO 868	Shore D 85
Tensile strength (MPa)	ISO 527	42 MPa
Tensile modulus (MPa)	ISO 527	1956 MPa
Elongation at break	ISO 527	22%
Flexural strength (MPa)	ISO 178	53 MPa
Flexural modulus (MPa)	ISO 178	1659 MPa
Heat deflection temperature @ 0.45 MPa (deg C)	ISO 75	HDT @ 0.45 MPa: 59 deg C
Impact strength notched	ASTM D256	35 J/m; ASTM D256 (Izod)

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