

UTR 3100NE

RESINS FOR SLA 3D PRINTING



MATERIAL NAME

UTR 3100NE

COLOR

White

PROCESS

SLA

PRODUCT DESCRIPTION

UTR 3100NE is a cost-effective light-curing resin suitable for SLA equipment. It is easy to use, fast to build, and has good printing stability. The printed samples have a good balance in color, strength, toughness, temperature resistance, warpage, deformation, etc., and are suitable for the production of industrial prototypes, home appliances, automobiles, film and television props, display models, etc., and are an excellent choice for printing prototype samples.

TYPICAL APPLICATIONS

- Appearance display
- Assembly testing
- Functional prototype testing
- Architecture/Interior Design Models

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 83
Tensile strength (MPa)	ISO 527	49 MPa
Tensile modulus (MPa)	ISO 527	2972 MPa
Elongation at break	ISO 527	7.5%
Flexural strength (MPa)	ISO 178	70 MPa
Flexural modulus (MPa)	ISO 178	2929 MPa
Heat deflection temperature @ 0.45 MPa (deg C)	ISO 75	HDT @ 0.45 MPa: 48 deg C
Heat deflection temperature @ 1.8 MPa (deg C)	ISO 75	HDT @ 1.8 MPa: 46.1 deg C
Impact strength notched	ASTM D256	29 J/m; ASTM D256 (Izod)

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