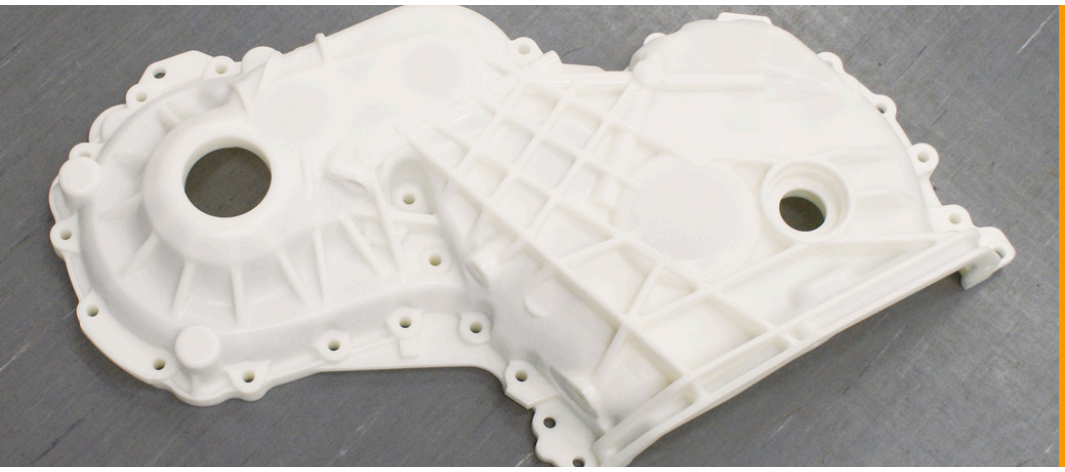
Somos Ledo Resin

INDUSTRIAL GRADE MATERIALS FOR SLA 3D PRINTING



MATERIAL NAME
Somos Ledo Resin

COLOR
White

PROCESS
SLA

PRODUCT DESCRIPTION

Somos Ledo Resin is a tough, high-performance material ideal for prototyping and functional testing. This material integrates easily into production cycles for design testing, ensuring parts meet functional requirements before full-scale production, thereby saving time, money, and materials during product development. With its excellent performance, Somos Ledo Resin is widely used in automotive, aerospace, and small-batch durable parts manufacturing.

TYPICAL APPLICATIONS

- Automotive
- Functional prototypes
- Moisture/Water-resistant concept models
- Aerospace
- Durable, small-batch production parts

PRODUCT SAFETY

After fully cured, the product is harmless to general skin contact. Very few people may have skin allergies to the resin. It cannot be used for food or medical purposes. If there is uncured resin in the product, you need to use gloves when touching it and avoid contact with the eyes.

PRODUCT DELIVERY & WAREHOUSING

- **STORAGE**
  Store in a dry, cool, and dark environment, avoiding direct sunlight, high humidity, and extreme temperatures (ideal: 5°C–25°C).
  Protect from prolonged UV exposure and seal properly to prevent environmental degradation.

- **TRANSPORTATION**
  Ensure shockproof, pressure-resistant, and moisture-proof packaging to avoid cracking or deformation.
  Keep separated from strong acids, alkalis, and solvents during transportation.

- **USAGE**
  Avoid exposure to strong UV light, high temperatures, or highly corrosive environments.
  For outdoor applications, consider applying a UV-resistant coating to reduce aging or discoloration.

- **CHEMICAL COMPATIBILITY**
  Preferred exposure: Weak acids, weak alkalis, and low-concentration alcohols (for short-term contact).
  Avoid exposure: Strong acids, strong alkalis, oxidizing agents, and strong polar solvents (e.g., acetone, toluene).

PROPERTIES OF PRINTED MATERIAL

Properties	Test Method	Value
Hardness	/	/
Flexural modulus (Mpa)	/	/
Flexural strength (Mpa)	/	/
Tensile modulus (Mpa)	ASTM D638M	UV Postcure: 2600 MPa
Tensile strength (Mpa)	ASTM D638M	UV Postcure: 52.3 MPa
Elongation at break	ASTM D638M	UV Postcure: 11%
Poisson's Ratio	/	/
Impact strength notched Izod (J/m)	ASTM D256A	UV Postcure: 36 J/m
Heat deflection temperature (°C)	ASTM D638	HDT @0.46 MPa (66psi): 58°C
Glass transition,Tg (°C)	/	/
Coefficient of themal expension(/°C)	/	/
Density (g/cm³)	/	~1.13 g/cm³ @25°C

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