Xtyre 010

RESINS FOR SLA 3D PRINTING



MATERIAL NAME
Xtyre 010

COLOR
Brown

PROCESS
SLA

PRODUCT DESCRIPTION

Xtyre 010 is a high-precision 3D printing resin for tire molds. It is suitable for SLA equipment. Its molded parts have the characteristics of ultra-high precision, highly restored pattern details, small deviations in groove size and roundness, and can perfectly match the application needs of tires.

TYPICAL APPLICATIONS

- Functional prototype testing
- Assembly testing
- Appearance display
- Flexible sealing/cushioning

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	1.08 g/cm3
Hardness	ISO 868	Shore D 76
Tensile strength (MPa)	ISO 527	46 MPa
Tensile modulus (MPa)	ISO 527	1051 MPa
Elongation at break	ISO 527	13%
Flexural strength (MPa)	ISO 178	57 MPa
Flexural modulus (MPa)	ISO 178	2003 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: 45 deg C
Impact strength notched	ASTM D256	27 J/m; ASTM D256 (Izod)

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