

Elast R60

FLEXIBLE PLASTICS FOR DLP 3D PRINTING



MATERIAL NAME

Elast R60

COLOR

Black

PROCESS

DLP

PRODUCT DESCRIPTION

Elast R60 is a two-component elastic material designed for the ultimate experience, integrating high resilience, tear resistance, high strength and fatigue resistance. The printed product has a delicate and elastic feel, recovers instantly when pressed, and the tear-resistant structure ensures long-term use. It is suitable for functional decompression products that have strict requirements on rebound and durability, with long-lasting and reliable performance. Ideal for making durable compression toys, flexible bumpers and customized elastic structures.

TYPICAL APPLICATIONS

- Appearance display
- Assembly testing
- Functional prototype testing
- Medical/Dental Models

PRODUCT SAFETY

Flexible printed parts should be handled according to normal workshop safety practices. Avoid prolonged skin contact with uncured resin or residues, and review material-specific handling and operating requirements before use.

PRODUCT DELIVERY & WAREHOUSING

- **STORAGE**
Store flexible printed parts in a cool, dry, and dark environment. Keep away from solvents, direct sunlight, ozone sources, and sustained compression.
- **TRANSPORTATION**
Ship with cushioning to avoid compression set, tearing, and surface abrasion. Protect from heat, UV exposure, and chemical contamination during transit.

PROPERTIES OF PRINTED MATERIAL

Properties	Test Method	Value
Density (g/cm3)	ISO 1183	0.99 g/cm3
Water Absorption (%)	ISO 62	0.1%
Hardness	ISO 7619-1	Shore A 62
Tensile strength (MPa)	ISO 37	11.6 MPa
Elongation at break	ISO 37	314%

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