

Ultra-Soft 20A Resin

Catlog Number: EFM-0046

• Description

The softest photopolymer available, mimicking biological tissue with extreme precision, ideal for surgical training models and advanced soft robotics research.

• Basic Information

Material Category: Silicone Polymer

Tensile Strength: 3.2 MPa

Elongation at Break: 3

Hardness (Shore): 20A

Tear Strength: 12 kN/m

Glass Transition (Tg): -105°C

Viscosity (@25°C): 4800 cps

Density: 1.05 g/cm³

Water Absorption: <0.1%

Flexural Modulus: 1.8 MPa

Shrinkage Rate: 0.03

Color Options: Translucent

Compression Set: 0.08

Resilience: 0.75

Izod Impact: Non-break

Melting Point: N/A

Storage Temp: 10-25°C

Curing Wavelength: 385nm

Layer Thickness: 0.025mm

Solubility: Insoluble

Abrasion Resistance: Low

Thermal Stability: 220°C

Odor Level: Odorless

Bio-compatibility: Bio-Safe

Compatible Tech: DLP/SLA

 For Research or Industrial Raw Materials, Not For Personal Medical Use!