

High-Cycle Flex Resin

Catlog Number: EFM-0083

• Description

Engineered for long-term cycling performance in flex-frequent environments like robotics joints, springs, and high-impact flexible couplings.

• Basic Information

Material Category: Urethane Elastomer

Tensile Strength: 26.0 MPa

Elongation at Break: 3.1

Hardness (Shore): 72A

Tear Strength: 60 kN/m

Glass Transition (Tg): -12°C

Viscosity (@25°C): 2100 cps

Density: 1.11 g/cm³

Water Absorption: 0.005

Flexural Modulus: 32 MPa

Shrinkage Rate: 0.01

Color Options: Smoke

Compression Set: 0.1

Resilience: 0.6

Izod Impact: Non-break

Melting Point: N/A

Storage Temp: 20-30°C

Curing Wavelength: 385/405nm

Layer Thickness: 0.1mm

Solubility: Insoluble

Abrasion Resistance: Very High

Thermal Stability: 95°C

Odor Level: Low

Bio-compatibility: Industrial

Compatible Tech: DLP/SLA

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