

High-Elasticity TPU 70A

Catlog Number: EFM-0043

• Description

A low-durometer TPU filament providing extreme flexibility and high rebound, ideal for custom footwear midsoles, dampening pads, and soft-touch handles.

• Basic Information

Material Category: Soft Polyurethane

Tensile Strength: 15.5 MPa

Elongation at Break: 7.2

Hardness (Shore): 70A

Tear Strength: 55 kN/m

Glass Transition (Tg): -45°C

Viscosity (@25°C): N/A

Density: 1.14 g/cm³

Water Absorption: 0.008

Flexural Modulus: 18 MPa

Shrinkage Rate: 0.012

Color Options: Natural/Black

Compression Set: 0.35

Resilience: 0.68

Izod Impact: Non-break

Melting Point: 185°C

Storage Temp: 20-30°C

Curing Wavelength: N/A

Layer Thickness: 0.2mm

Solubility: Insoluble

Abrasion Resistance: High

Thermal Stability: 80°C

Odor Level: Low

Bio-compatibility: Skin-safe

Compatible Tech: FDM/FFF

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