

## High-Stretch TPE 40A

Catlog Number: EFM-0030

### • Description

An exceptionally soft thermoplastic elastomer with the highest elongation in its class, designed for wearable sensors, prosthetic liners, and ultra-flexible seals.

### • Basic Information

Material Category: Soft TPE Blend

Tensile Strength: 6.2 MPa

Elongation at Break: 8.5

Hardness (Shore): 40A

Tear Strength: 25 kN/m

Glass Transition (Tg): -60°C

Viscosity (@25°C): N/A

Density: 1.03 g/cm<sup>3</sup>

Water Absorption: 0.011

Flexural Modulus: 4.0 MPa

Shrinkage Rate: 0.022

Color Options: Natural/White

Compression Set: 0.45

Resilience: 0.75

Izod Impact: Non-break

Melting Point: 160°C

Storage Temp: 15-25°C

Curing Wavelength: N/A

Layer Thickness: 0.2-0.3mm

Solubility: Insoluble

Abrasion Resistance: Moderate

Thermal Stability: 65°C

Odor Level: Very Low

Bio-compatibility: Skin-contact safe

Compatible Tech: FDM/FFF

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