

## High-Flex TPU 82A

Catlog Number: EFM-0075

### • Description

High-elasticity filament designed for extreme range-of-motion parts, such as flexible wearable accessories, protective phone cases, and ergonomic grips.

### • Basic Information

Material Category: Polyether TPU

Tensile Strength: 18.5 MPa

Elongation at Break: 6.8

Hardness (Shore): 82A

Tear Strength: 52 kN/m

Glass Transition (Tg): -30°C

Viscosity (@25°C): N/A

Density: 1.15 g/cm<sup>3</sup>

Water Absorption: 0.007

Flexural Modulus: 22 MPa

Shrinkage Rate: 0.009

Color Options: Natural

Compression Set: 0.3

Resilience: 0.55

Izod Impact: Non-break

Melting Point: 190°C

Storage Temp: Room Temp

Curing Wavelength: N/A

Layer Thickness: 0.2mm

Solubility: Insoluble

Abrasion Resistance: Good

Thermal Stability: 85°C

Odor Level: Low

Bio-compatibility: Skin-contact

Compatible Tech: FDM/FFF

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