

Reinforced TPA 85A

Catlog Number: EFM-0045

• Description

A lightweight polyamide-based elastomer providing the best fatigue resistance in the industry, suited for high-cycle mechanical hinges and timing belts.

• Basic Information

Material Category: Polyamide Elastomer

Tensile Strength: 38.0 MPa

Elongation at Break: 4.6

Hardness (Shore): 85A

Tear Strength: 100 kN/m

Glass Transition (Tg): -40°C

Viscosity (@25°C): N/A

Density: 1.02 g/cm³

Water Absorption: 0.012

Flexural Modulus: 80 MPa

Shrinkage Rate: 0.007

Color Options: Natural

Compression Set: 0.28

Resilience: 0.62

Izod Impact: Non-break

Melting Point: 192°C

Storage Temp: 15-25°C

Curing Wavelength: N/A

Layer Thickness: 0.1-0.2mm

Solubility: Insoluble

Abrasion Resistance: Superior

Thermal Stability: 110°C

Odor Level: Low

Bio-compatibility: Industrial

Compatible Tech: FDM/FFF

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