

Reinforced TPA Filament

Catlog Number: EFM-0023

• Description

A high-strength block copolymer combining nylon's chemical resistance with TPE's flexibility, designed for heavy-duty sports equipment and mechanical belts.

• Basic Information

Material Category: Polyamide-TPE

Tensile Strength: 42.0 MPa

Elongation at Break: 4.5

Hardness (Shore): 90A

Tear Strength: 110 kN/m

Glass Transition (Tg): -35°C

Viscosity (@25°C): N/A

Density: 1.03 g/cm³

Water Absorption: 0.014

Flexural Modulus: 95 MPa

Shrinkage Rate: 0.008

Color Options: Natural

Compression Set: 0.25

Resilience: 0.62

Izod Impact: Non-break

Melting Point: 198°C

Storage Temp: 15-25°C

Curing Wavelength: N/A

Layer Thickness: 0.1-0.2mm

Solubility: Insoluble

Abrasion Resistance: Superior

Thermal Stability: 115°C

Odor Level: Low

Bio-compatibility: Industrial

Compatible Tech: FDM/FFF

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