

Flame-Retardant SLS TPU

Catlog Number: EFM-0044

• Description

Specialized laser sintering powder with fire-retardant additives, developed for mass production of flexible aerospace ducts and electronic protective covers.

• Basic Information

Material Category: FR-TPU Powder

Tensile Strength: 11.0 MPa

Elongation at Break: 2.8

Hardness (Shore): 82A

Tear Strength: 48 kN/m

Glass Transition (Tg): -18°C

Viscosity (@25°C): N/A

Density: 1.12 g/cm³

Water Absorption: 0.006

Flexural Modulus: 25 MPa

Shrinkage Rate: 0.028

Color Options: Grey/Black

Compression Set: 0.2

Resilience: 0.4

Izod Impact: Non-break

Melting Point: 198°C

Storage Temp: 15-25°C

Curing Wavelength: N/A

Layer Thickness: 0.1mm

Solubility: Insoluble

Abrasion Resistance: Excellent

Thermal Stability: 115°C

Odor Level: Odorless

Bio-compatibility: UL-94 Rated

Compatible Tech: SLS

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