

Rigid-Flex Composite 75D

Catlog Number: EFM-0087

• Description

A fiber-reinforced elastomer offering immense structural rigidity with slight flex, designed for high-load industrial jigs and wear-resistant gear components.

• Basic Information

Material Category: Fiber-filled Elastomer

Tensile Strength: 62.0 MPa

Elongation at Break: 0.8

Hardness (Shore): 75D

Tear Strength: 150 kN/m

Glass Transition (T_g): 45°C

Viscosity (@25°C): N/A

Density: 1.25 g/cm³

Water Absorption: 0.002

Flexural Modulus: 1200 MPa

Shrinkage Rate: 0.003

Color Options: Black

Compression Set: 0.05

Resilience: 0.2

Izod Impact: 35 kJ/m²

Melting Point: 235°C

Storage Temp: Room Temp

Curing Wavelength: N/A

Layer Thickness: 0.1-0.2mm

Solubility: Insoluble

Abrasion Resistance: Extreme

Thermal Stability: 130°C

Odor Level: Low

Bio-compatibility: Industrial

Compatible Tech: FDM/FFF

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