

Glass Fiber Reinforced PBT

Catlog Number: CRSM-0052

• Description

Solvent-resistant PBT composite with high glass fiber loading, offering excellent dimensional stability and low friction for automotive parts.

• Basic Information

Base Material: Polybutylene Terephthalate

Reinforcement Type: Micro-Glass Fiber

Reinforcement Volume (%): 0.3

Density (g/cm³): 1.55

Tensile Strength (MPa): 110

Tensile Modulus (MPa): 8500

Elongation at Break (%): 2.5

Flexural Strength (MPa): 165

Flexural Modulus (MPa): 7800

Heat Deflection Temp (0.45MPa): 205

Glass Transition Temp (Tg): 60

Melting Point (°C): 223

Thermal Conductivity (W/mK): 0.28

Flame Retardancy (UL94): HB

Surface Resistivity (Ω): 10¹⁶

Water Absorption (%): 0.08

Printing Temp (°C): 250-280

Bed Temp (°C): 80-110

Chamber Temp (°C): 60-90

Fan Speed (%): 20

Nozzle Type: Hardened Steel

Layer Height (mm): 0.2

Shrinkage Rate (%): 0.4

Continuous Use Temp (°C): 140

Impact Strength (kJ/m²): 15

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