

Radiation Shielding Support

Catlog Number: SSM-0053

• Description

Specialized high-density support designed for nuclear instrumentation, providing integrated radiation shielding during the build process.

• Basic Information

Base Material: Tungsten-Filled Polymer

Solubility Method: Mechanical

Solvent Type: None

Heat Deflection Temp (0.45MPa): 105

Glass Transition Temp (Tg): 95

Melting Point (°C): 225

Density (g/cm³): 7.5

Water Absorption (%): 0.05

Tensile Strength (MPa): 40

Tensile Modulus (MPa): 6500

Elongation at Break (%): 1.8

Flexural Strength (MPa): 85

Flexural Modulus (MPa): 6200

Printing Temp (°C): 240-270

Bed Temp (°C): 90-110

Chamber Temp (°C): 60-80

Fan Speed (%): 10

Nozzle Type: Hardened Steel

Layer Height (mm): 0.2

Shrinkage Rate (%): 0.1

Continuous Use Temp (°C): 95

Impact Strength (kJ/m²): 12

Flame Retardancy (UL94): V-0

Surface Resistivity (Ω): 10¹²

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