

Conductive Carbon Support

Catlog Number: SSM-0066

• Description

Ultra-conductive breakaway support providing ESD protection for sensitive electronics during the printing build process.

• Basic Information

Base Material: CNT-Filled Matrix

Solubility Method: Mechanical

Solvent Type: None

Heat Deflection Temp (0.45MPa): 130

Glass Transition Temp (Tg): 140

Melting Point (°C): 270

Density (g/cm³): 1.28

Water Absorption (%): 0.05

Tensile Strength (MPa): 65

Tensile Modulus (MPa): 7500

Elongation at Break (%): 2

Flexural Strength (MPa): 115

Flexural Modulus (MPa): 7000

Printing Temp (°C): 280-310

Bed Temp (°C): 100-130

Chamber Temp (°C): 90-120

Nozzle Type: Hardened Steel

Layer Height (mm): 0.15

Shrinkage Rate (%): 0.15

Continuous Use Temp (°C): 120

Impact Strength (kJ/m²): 9

Flame Retardancy (UL94): V-0

Surface Resistivity (Ω): 10²

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