

Sinter-Safe Ceramic Support

Catlog Number: SSM-0078

• Description

Ceramic-matrix support for sintering advanced metals; maintains geometry during metal fusion and is acid-removable.

• Basic Information

Base Material: Boron-Silicate Matrix

Solubility Method: Thermal/Chemical

Solvent Type: Dilute Acid

Heat Deflection Temp (0.45MPa): 380

Glass Transition Temp (Tg): 420

Melting Point (°C): -

Density (g/cm³): 2.25

Water Absorption (%): 0.01

Tensile Strength (MPa): 55

Tensile Modulus (MPa): 9800

Elongation at Break (%): 0.8

Flexural Strength (MPa): 110

Flexural Modulus (MPa): 9200

Printing Temp (°C): 330-380

Bed Temp (°C): 130-160

Chamber Temp (°C): 110-150

Nozzle Type: Hardened Steel

Layer Height (mm): 0.15

Shrinkage Rate (%): 0.01

Continuous Use Temp (°C): 350

Impact Strength (kJ/m²): 4

Flame Retardancy (UL94): V-0

Surface Resistivity (Ω): 10¹⁵

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