

Super-Alloy Sintering Support

Catlog Number: SSM-0022

• Description

Sacrificial system designed for super-alloy sintering, providing structural support before disintegrating at extreme temperatures.

• Basic Information

Base Material: Carbon-Ceramic Matrix

Solubility Method: Pyrolysis

Solvent Type: High Temp

Heat Deflection Temp (0.45MPa): 320+

Glass Transition Temp (Tg): 350

Melting Point (°C): -

Density (g/cm³): 0.98

Water Absorption (%): 0.01

Tensile Strength (MPa): 28

Tensile Modulus (MPa): 5200

Elongation at Break (%): 1

Flexural Strength (MPa): 45

Flexural Modulus (MPa): 4800

Printing Temp (°C): 340-380

Bed Temp (°C): 140-160

Chamber Temp (°C): 120-150

Nozzle Type: Hardened Steel

Layer Height (mm): 0.2

Shrinkage Rate (%): 0.01

Continuous Use Temp (°C): 300

Impact Strength (kJ/m²): 3

Flame Retardancy (UL94): V-0

Surface Resistivity (Ω): 10⁴

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