

Metal-Sintering Core

Catlog Number: SSM-0063

• Description

Ceramic sacrificial core for metal sintering, maintaining structural shape during high-temp cycles for internal cavities.

• Basic Information

Base Material: Zirconia Ceramic Matrix

Solubility Method: Thermal/Chemical

Solvent Type: Sintering/Oxidation

Heat Deflection Temp (0.45MPa): 400

Glass Transition Temp (Tg): 450

Melting Point (°C): -

Density (g/cm³): 3.2

Water Absorption (%): 0.01

Tensile Strength (MPa): 38

Tensile Modulus (MPa): 9500

Elongation at Break (%): 0.5

Flexural Strength (MPa): 88

Flexural Modulus (MPa): 8500

Printing Temp (°C): 320-360

Bed Temp (°C): 140-160

Chamber Temp (°C): 120-150

Nozzle Type: Hardened Steel

Layer Height (mm): 0.15

Shrinkage Rate (%): 0.01

Continuous Use Temp (°C): 350

Impact Strength (kJ/m²): 3

Flame Retardancy (UL94): V-0

Surface Resistivity (Ω): 10¹⁵

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