

Boron-Nitride Ceramic

Catlog Number: SSM-0090

• Description

BN-filled support for extreme high-temp metal joining; acts as a non-reactive buffer between part and sintering base.

• Basic Information

Base Material: BN-Polymer Composite

Solubility Method: Thermal/Mechanical

Solvent Type: Pyrolysis/Abrasion

Heat Deflection Temp (0.45MPa): 400

Glass Transition Temp (Tg): -

Melting Point (°C): -

Density (g/cm³): 1.95

Water Absorption (%): 0.01

Tensile Strength (MPa): 35

Tensile Modulus (MPa): 7500

Elongation at Break (%): 0.5

Flexural Strength (MPa): 65

Flexural Modulus (MPa): 7000

Printing Temp (°C): 320-360

Bed Temp (°C): 130-160

Chamber Temp (°C): 110-150

Nozzle Type: Hardened Steel

Layer Height (mm): 0.15

Shrinkage Rate (%): 0.02

Continuous Use Temp (°C): 350

Impact Strength (kJ/m²): 3

Flame Retardancy (UL94): V-0

Surface Resistivity (Ω): 10¹⁵

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