Eata 3DPrint

Inorganic Ceramic Sacrificial

Catlog Number: SSM-0050

Description

Boron nitride filled sacrificial system for extreme thermal insulation and support in advanced aerospace metal bonding.

Basic Information

Base Material: Boron Nitride Composite

Solubility Method: Thermal

Solvent Type: Pyrolysis

Heat Deflection Temp (0.45MPa): 450+

Glass Transition Temp (Tg): -

Melting Point (°C): -

Density (g/cm³): 2.1

Water Absorption (%): 0.01

Tensile Strength (MPa): 45

Tensile Modulus (MPa): 9500

Elongation at Break (%): 0.8

Flexural Strength (MPa): 90

Flexural Modulus (MPa): 8800

Printing Temp (°C): 320-370

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): 400

Impact Strength (kJ/m²): 4

Flame Retardancy (UL94): V-0

Surface Resistivity (Ω): 10^15

Eata 3DPrint: Your innovation partner for advanced 3D printing solutions, delivering cutting-edge services and materials to transform industries and drive progress.

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