Eata 3DPrint

High-Temp Polyimide Core

Catlog Number: SSM-0083

Description

Ultra-high temperature sacrificial core for polyimide composites; withstands extreme heat and cures under pressure.

Basic Information

Base Material: Polyimide Matrix

Solubility Method: Chemical

Solvent Type: Strong Alkali

Heat Deflection Temp (0.45MPa): 250

Glass Transition Temp (Tg): 260

Melting Point (°C): -

Density (g/cm³): 1.42

Water Absorption (%): 0.4

Tensile Strength (MPa): 120

Tensile Modulus (MPa): 4500

Elongation at Break (%): 3.5

Flexural Strength (MPa): 180

Flexural Modulus (MPa): 4100

Printing Temp (°C): 380-420

Bed Temp (°C): 150-180

Chamber Temp (°C): 140-170

Nozzle Type: Hardened Steel

Layer Height (mm): 0.15

Shrinkage Rate (%): 0.08

Continuous Use Temp (°C): 230

Impact Strength (kJ/m²): 18

Flame Retardancy (UL94): V-0

Surface Resistivity (Ω): 10^16

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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