

Thermal-Spalling Core

Catlog Number: SSM-0099

• Description

Foaming ceramic sacrificial core that spalls under controlled thermal shock; ideal for complex inaccessible voids.

• Basic Information

Base Material: Foaming Ceramic

Solubility Method: Thermal

Solvent Type: Heat Shock

Heat Deflection Temp (0.45MPa): 350

Glass Transition Temp (Tg): -

Melting Point (°C): -

Density (g/cm³): 0.85

Water Absorption (%): 0.02

Tensile Strength (MPa): 8

Tensile Modulus (MPa): 400

Elongation at Break (%): 2

Flexural Strength (MPa): 15

Flexural Modulus (MPa): 350

Printing Temp (°C): 300-350

Bed Temp (°C): 120-150

Chamber Temp (°C): 100-140

Nozzle Type: Hardened Steel

Layer Height (mm): 0.25

Shrinkage Rate (%): 0.05

Continuous Use Temp (°C): 300

Impact Strength (kJ/m²): 1.5

Flame Retardancy (UL94): V-0

Surface Resistivity (Ω): 10¹⁴

 For Research or Industrial Raw Materials, Not For Personal Medical Use!