

High-Purity Graphite Support

Catlog Number: SSM-0092

• Description

High-purity graphite sacrificial support for high-vacuum aerospace applications, ensuring zero contamination during thermal processing.

• Basic Information

Base Material: Synthetic Graphite

Solubility Method: Thermal

Solvent Type: Pyrolysis

Heat Deflection Temp (0.45MPa): 450+

Glass Transition Temp (Tg): -

Melting Point (°C): -

Density (g/cm³): 1.75

Water Absorption (%): 0.01

Tensile Strength (MPa): 25

Tensile Modulus (MPa): 5500

Elongation at Break (%): 0.2

Flexural Strength (MPa): 45

Flexural Modulus (MPa): 5200

Printing Temp (°C): 340-380

Bed Temp (°C): 150-180

Chamber Temp (°C): 130-160

Nozzle Type: Hardened Steel

Layer Height (mm): 0.15

Shrinkage Rate (%): 0.01

Continuous Use Temp (°C): 400

Impact Strength (kJ/m²): 2.5

Flame Retardancy (UL94): V-0

Surface Resistivity (Ω): 10³

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