

Micro-Lattice Support

Catlog Number: SSM-0061

• Description

Ultra-fine resolution water-soluble support for micro-lattices and precision medical sensors. Rapid dissolution with zero residue.

• Basic Information

Base Material: Ultra-Fine PVA

Solubility Method: Water

Solvent Type: Cold Water

Heat Deflection Temp (0.45MPa): 62

Glass Transition Temp (Tg): 80

Melting Point (°C): 180

Density (g/cm³): 1.15

Water Absorption (%): 35

Tensile Strength (MPa): 25

Tensile Modulus (MPa): 1200

Elongation at Break (%): 500

Flexural Strength (MPa): 35

Flexural Modulus (MPa): 900

Printing Temp (°C): 185-205

Bed Temp (°C): 40-60

Chamber Temp (°C): -

Fan Speed (%): 100

Nozzle Type: Brass

Layer Height (mm): 0.05

Shrinkage Rate (%): 0.3

Continuous Use Temp (°C): 50

Impact Strength (kJ/m²): 5.5

Flame Retardancy (UL94): HB

Surface Resistivity (Ω): 10¹⁴

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