

Conductive Soluble Base

Catlog Number: SSM-0052

• Description

Water-soluble support with electrical conductivity, enabling the printing of temporary circuits and sensors that can be later removed.

• Basic Information

Base Material: Graphene-PVA Composite

Solubility Method: Water

Solvent Type: Warm Water

Heat Deflection Temp (0.45MPa): 68

Glass Transition Temp (Tg): 85

Melting Point (°C): 185

Density (g/cm³): 1.35

Water Absorption (%): 22

Tensile Strength (MPa): 32

Tensile Modulus (MPa): 4500

Elongation at Break (%): 2.5

Flexural Strength (MPa): 55

Flexural Modulus (MPa): 4200

Printing Temp (°C): 190-220

Bed Temp (°C): 60-80

Chamber Temp (°C): 30

Fan Speed (%): 80

Nozzle Type: Hardened Steel

Layer Height (mm): 0.15

Shrinkage Rate (%): 0.4

Continuous Use Temp (°C): 55

Impact Strength (kJ/m²): 6

Flame Retardancy (UL94): HB

Surface Resistivity (Ω): 10³ - 10⁵

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