

## Conductive PVA

Catlog Number: SSM-0073

### • Description

Electrically conductive water-soluble support for printing temporary circuits or shielded internal cavities in sensitive R&D.

### • Basic Information

Base Material: Carbon-PVA Blend

Solubility Method: Water

Solvent Type: Warm Water

Heat Deflection Temp (0.45MPa): 65

Glass Transition Temp (Tg): 82

Melting Point (°C): 185

Density (g/cm<sup>3</sup>): 1.28

Water Absorption (%): 28

Tensile Strength (MPa): 35

Tensile Modulus (MPa): 2200

Elongation at Break (%): 150

Flexural Strength (MPa): 60

Flexural Modulus (MPa): 2000

Printing Temp (°C): 200-230

Bed Temp (°C): 50-70

Chamber Temp (°C): 30

Fan Speed (%): 80

Nozzle Type: Brass

Layer Height (mm): 0.2

Shrinkage Rate (%): 0.4

Continuous Use Temp (°C): 55

Impact Strength (kJ/m<sup>2</sup>): 8

Flame Retardancy (UL94): HB

Surface Resistivity (Ω): 10<sup>2</sup>

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