

Cryogenic-Stable Soluble

Catlog Number: SSM-0014

• Description

Cold-water soluble support optimized for low-temperature printing to prevent thermal distortion in biologically active or sensitive resins.

• Basic Information

Base Material: Specialized Polyester

Solubility Method: Water

Solvent Type: Cold Water

Heat Deflection Temp (0.45MPa): 55

Glass Transition Temp (Tg): 60

Melting Point (°C): 155

Density (g/cm³): 1.24

Water Absorption (%): 40

Tensile Strength (MPa): 28

Tensile Modulus (MPa): 1100

Elongation at Break (%): 400

Flexural Strength (MPa): 45

Flexural Modulus (MPa): 1000

Printing Temp (°C): 185-210

Bed Temp (°C): 40-60

Chamber Temp (°C): -

Fan Speed (%): 100

Nozzle Type: Brass

Layer Height (mm): 0.2

Shrinkage Rate (%): 0.5

Continuous Use Temp (°C): 45

Impact Strength (kJ/m²): 5.5

Flame Retardancy (UL94): HB

Surface Resistivity (Ω): 10¹³

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