

Micro-Fluidic Soluble Gel

Catlog Number: SSM-0043

• Description

Specialized low-viscosity sacrificial gel for creating sub-millimeter micro-fluidic channels in transparent resin assemblies.

• Basic Information

Base Material: Modified Pluronic
Solubility Method: Water
Solvent Type: Cold Water
Heat Deflection Temp (0.45MPa): 15
Glass Transition Temp (Tg): -
Melting Point (°C): -
Density (g/cm³): 1.05
Water Absorption (%): 95
Tensile Strength (MPa): 5
Tensile Modulus (MPa): 150
Elongation at Break (%): 800
Flexural Strength (MPa): 8
Flexural Modulus (MPa): 120
Printing Temp (°C): 40-70
Bed Temp (°C): 20
Chamber Temp (°C): -
Nozzle Type: Brass
Layer Height (mm): 0.05
Shrinkage Rate (%): 2.5
Continuous Use Temp (°C): 20
Impact Strength (kJ/m²): 1
Flame Retardancy (UL94): HB
Surface Resistivity (Ω): 10¹²

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