

Phosphate-Soluble Matrix

Catlog Number: SSM-0016

• Description

Specialized mineral-filled support soluble in weak acidic solutions, ideal for parts that cannot withstand alkaline or hot water exposure.

• Basic Information

Base Material: Mineral-Filled Polymer

Solubility Method: Chemical

Solvent Type: Weak Acid

Heat Deflection Temp (0.45MPa): 105

Glass Transition Temp (Tg): 110

Melting Point (°C): 195

Density (g/cm³): 1.45

Water Absorption (%): 1.5

Tensile Strength (MPa): 32

Tensile Modulus (MPa): 3200

Elongation at Break (%): 10

Flexural Strength (MPa): 58

Flexural Modulus (MPa): 2800

Printing Temp (°C): 220-245

Bed Temp (°C): 70-90

Chamber Temp (°C): 40

Fan Speed (%): 30

Nozzle Type: Hardened Steel

Layer Height (mm): 0.2

Shrinkage Rate (%): 0.4

Continuous Use Temp (°C): 90

Impact Strength (kJ/m²): 8

Flame Retardancy (UL94): HB

Surface Resistivity (Ω): 10¹⁵

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