

## Fast-Wicking Soluble Core

Catlog Number: SSM-0020

### • Description

Porous sacrificial polymer with fast-wicking properties to accelerate dissolution in deep, narrow internal fluid channels.

### • Basic Information

Base Material: Porous Soluble Polymer

Solubility Method: Water/Solvent

Solvent Type: Hot Water

Heat Deflection Temp (0.45MPa): 95

Glass Transition Temp (Tg): 105

Melting Point (°C): 215

Density (g/cm<sup>3</sup>): 1.1

Water Absorption (%): 25

Tensile Strength (MPa): 38

Tensile Modulus (MPa): 2100

Elongation at Break (%): 150

Flexural Strength (MPa): 65

Flexural Modulus (MPa): 1900

Printing Temp (°C): 230-260

Bed Temp (°C): 80-100

Chamber Temp (°C): 60

Fan Speed (%): 50

Nozzle Type: Brass

Layer Height (mm): 0.25

Shrinkage Rate (%): 0.3

Continuous Use Temp (°C): 85

Impact Strength (kJ/m<sup>2</sup>): 9

Flame Retardancy (UL94): HB

Surface Resistivity (Ω): 10<sup>14</sup>

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