

## Inorganic Salt Sacrificial

Catlog Number: SSM-0027

### • Description

Water-soluble mineral salt composite for creating sacrificial cores in high-temperature thermoplastic injection molding inserts.

### • Basic Information

Base Material: Mineral-Salt Composite

Solubility Method: Water

Solvent Type: Water

Heat Deflection Temp (0.45MPa): 280+

Glass Transition Temp (Tg): -

Melting Point (°C): 800

Density (g/cm<sup>3</sup>): 2.1

Water Absorption (%): 15

Tensile Strength (MPa): 15

Tensile Modulus (MPa): 8500

Elongation at Break (%): 0.5

Flexural Strength (MPa): 30

Flexural Modulus (MPa): 7800

Printing Temp (°C): 250-290

Bed Temp (°C): 100-130

Chamber Temp (°C): 80-120

Nozzle Type: Hardened Steel

Layer Height (mm): 0.25

Shrinkage Rate (%): 0.05

Continuous Use Temp (°C): 250

Impact Strength (kJ/m<sup>2</sup>): 1.5

Flame Retardancy (UL94): V-0

Surface Resistivity (Ω): 10<sup>12</sup>

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