

## Sand-Castable Sacrificial

Catlog Number: SSM-0046

### • Description

Water-soluble silicate support for sand casting molds, providing high gas permeability and easy washout post-casting.

### • Basic Information

Base Material: Silicate-Binder Composite

Solubility Method: Water

Solvent Type: Water Spray

Heat Deflection Temp (0.45MPa): 250+

Glass Transition Temp (Tg): -

Melting Point (°C): -

Density (g/cm<sup>3</sup>): 1.95

Water Absorption (%): 5

Tensile Strength (MPa): 12

Tensile Modulus (MPa): 5500

Elongation at Break (%): 0.2

Flexural Strength (MPa): 22

Flexural Modulus (MPa): 4800

Printing Temp (°C): 180-220

Bed Temp (°C): 60-90

Chamber Temp (°C): 50

Fan Speed (%): 10

Nozzle Type: Hardened Steel

Layer Height (mm): 0.3

Shrinkage Rate (%): 0.05

Continuous Use Temp (°C): 220

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

Flame Retardancy (UL94): V-0

Surface Resistivity (Ω): 10<sup>15</sup>

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