

## Instant-Snap Styrenic

Catlog Number: SSM-0054

### • Description

Ultra-brittle support material formulated for "instant-snap" removal, leaving zero scarring on the primary part surface.

### • Basic Information

Base Material: Modified Polystyrene

Solubility Method: Mechanical

Solvent Type: None (Instant Break)

Heat Deflection Temp (0.45MPa): 92

Glass Transition Temp (Tg): 100

Melting Point (°C): 220

Density (g/cm<sup>3</sup>): 1.05

Water Absorption (%): 0.03

Tensile Strength (MPa): 35

Tensile Modulus (MPa): 2400

Elongation at Break (%): 1

Flexural Strength (MPa): 72

Flexural Modulus (MPa): 2200

Printing Temp (°C): 230-250

Bed Temp (°C): 90-110

Chamber Temp (°C): 50

Nozzle Type: Hardened Steel

Layer Height (mm): 0.15

Shrinkage Rate (%): 0.35

Continuous Use Temp (°C): 85

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

Flame Retardancy (UL94): HB

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

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