

Bismuth-Tin Sacrificial

Catlog Number: SSM-0081

• Description

Bismuth-tin alloy for low-pressure overmolding and sacrificial mandrels; melts cleanly in hot water or oil.

• Basic Information

Base Material: Low-Melt Alloy Matrix

Solubility Method: Thermal

Solvent Type: Melting

Heat Deflection Temp (0.45MPa): 42

Glass Transition Temp (Tg): -

Melting Point (°C): 138

Density (g/cm³): 9.2

Water Absorption (%): 0.01

Tensile Strength (MPa): 30

Tensile Modulus (MPa): 18000

Elongation at Break (%): 0.2

Flexural Strength (MPa): 45

Flexural Modulus (MPa): 16500

Printing Temp (°C): 160-200

Bed Temp (°C): 40-60

Chamber Temp (°C): -

Fan Speed (%): 100

Nozzle Type: Hardened Steel

Layer Height (mm): 0.1

Shrinkage Rate (%): 0.01

Continuous Use Temp (°C): 40

Impact Strength (kJ/m²): 1.2

Flame Retardancy (UL94): V-0

Surface Resistivity (Ω): 10⁻⁶

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