

Bio-Absorbable Sacrificial

Catlog Number: SSM-0041

• Description

Biocompatible sacrificial material designed for tissue engineering scaffolds, allowing for slow dissolution in physiological fluids.

• Basic Information

Base Material: PCL-Based Polymer

Solubility Method: Hydrolysis

Solvent Type: Phosphate Buffered Saline

Heat Deflection Temp (0.45MPa): 45

Glass Transition Temp (Tg): -60

Melting Point (°C): 60

Density (g/cm³): 1.14

Water Absorption (%): 1

Tensile Strength (MPa): 18

Tensile Modulus (MPa): 450

Elongation at Break (%): 600

Flexural Strength (MPa): 25

Flexural Modulus (MPa): 400

Printing Temp (°C): 80-120

Bed Temp (°C): 30-45

Chamber Temp (°C): -

Fan Speed (%): 100

Nozzle Type: Brass

Layer Height (mm): 0.1

Shrinkage Rate (%): 1.5

Continuous Use Temp (°C): 35

Impact Strength (kJ/m²): 55

Flame Retardancy (UL94): HB

Surface Resistivity (Ω): 10¹⁵

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