

High-Refractive Sacrificial

Catlog Number: SSM-0045

• Description

Optically clear sacrificial material with matched refractive index for temporary lens molding and light-guide prototyping.

• Basic Information

Base Material: Clear Optical Polymer

Solubility Method: Solvent

Solvent Type: Acetone

Heat Deflection Temp (0.45MPa): 72

Glass Transition Temp (Tg): 80

Melting Point (°C): -

Density (g/cm³): 1.18

Water Absorption (%): 0.2

Tensile Strength (MPa): 48

Tensile Modulus (MPa): 2500

Elongation at Break (%): 12

Flexural Strength (MPa): 82

Flexural Modulus (MPa): 2200

Printing Temp (°C): 220-250

Bed Temp (°C): 70-90

Chamber Temp (°C): 40

Fan Speed (%): 100

Nozzle Type: Brass

Layer Height (mm): 0.1

Shrinkage Rate (%): 0.4

Continuous Use Temp (°C): 65

Impact Strength (kJ/m²): 8

Flame Retardancy (UL94): HB

Surface Resistivity (Ω): 10¹⁵

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