

## Alkali-Soluble PEEK Support

Catlog Number: SSM-0044

### • Description

High-temp soluble support for PEEK parts that requires chemical removal in complex internal geometries where breakaway is impossible.

### • Basic Information

Base Material: Modified PEEK

Solubility Method: Chemical

Solvent Type: Strong Alkali

Heat Deflection Temp (0.45MPa): 165

Glass Transition Temp (Tg): 143

Melting Point (°C): 343

Density (g/cm<sup>3</sup>): 1.35

Water Absorption (%): 0.2

Tensile Strength (MPa): 105

Tensile Modulus (MPa): 4200

Elongation at Break (%): 6

Flexural Strength (MPa): 160

Flexural Modulus (MPa): 3800

Printing Temp (°C): 390-430

Bed Temp (°C): 130-160

Chamber Temp (°C): 110-140

Nozzle Type: Hardened Steel

Layer Height (mm): 0.15

Shrinkage Rate (%): 0.2

Continuous Use Temp (°C): 240

Impact Strength (kJ/m<sup>2</sup>): 15

Flame Retardancy (UL94): V-0

Surface Resistivity (Ω): 10<sup>16</sup>

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