



## PPS-Based Breakaway

Catlog Number: SSM-0071

### • Description

High-temp PPS support for PEEK/PEKK builds. Provides structural rigidity in high-heat chambers without chemical softening.

### • Basic Information

Base Material: Polyphenylene Sulfide

Solubility Method: Mechanical

Solvent Type: None

Heat Deflection Temp (0.45MPa): 260

Glass Transition Temp (Tg): 90

Melting Point (°C): 285

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

Water Absorption (%): 0.05

Tensile Strength (MPa): 85

Tensile Modulus (MPa): 4500

Elongation at Break (%): 2.5

Flexural Strength (MPa): 140

Flexural Modulus (MPa): 4200

Printing Temp (°C): 320-350

Bed Temp (°C): 140-160

Chamber Temp (°C): 120-150

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>): 12

Flame Retardancy (UL94): V-0

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

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