

## 20 $\mu$ m High-Temp Polyimide Separator

Catlog Number: BMSM-0014

### • Description

Non-woven polyimide membrane engineered for extreme temperature environments, remaining stable up to 400°C without melting.

### • Basic Information

Base Material: Polyimide (PI)

Coating Type: None

Thickness ( $\mu$ m): 20

Porosity (%): 60

Gurley Value (s/100mL): 35

Puncture Strength (gf): 280

Tensile MD (kg/cm<sup>2</sup>): 950

Tensile TD (kg/cm<sup>2</sup>): 850

Elongation MD (%): 35

Elongation TD (%): 30

Shrinkage MD (120°C): < 0.2%

Shrinkage TD (120°C): < 0.1%

Melt Temp (°C): > 400

Shutdown Temp (°C): N/A

Dielectric (V/ $\mu$ m): 220

Wettability: Superior

Ionic Cond. (mS/cm): 1.85


Water (ppm): < 200

Basis Weight (g/m<sup>2</sup>): 12.4

Pore Size ( $\mu$ m): 0.15

Appearance: Yellow

Packaging: Roll

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