

## 20 $\mu$ m High-Insulation Nylon Separator

Catlog Number: BMSM-0052

### • Description

Specialized nylon-based microporous membrane offering superior chemical resistance and high dielectric strength for alkaline systems.

### • Basic Information

Base Material: Polyamide (PA)

Coating Type: None

Thickness ( $\mu$ m): 20

Porosity (%): 50

Gurley Value (s/100mL): 180

Puncture Strength (gf): 380

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

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

Elongation MD (%): 40

Elongation TD (%): 35

Shrinkage MD (120°C): < 0.8%

Shrinkage TD (120°C): < 0.4%

Melt Temp (°C): 220

Shutdown Temp (°C): N/A

Dielectric (V/ $\mu$ m): 210

Wettability: Excellent

Ionic Cond. (mS/cm): 1.35


Water (ppm): < 400

Basis Weight (g/m<sup>2</sup>): 13.5

Pore Size ( $\mu$ m): 0.15

Appearance: Off-White

Packaging: Roll

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