

## 14 $\mu$ m High-Safety Aramid Coated PE

Catlog Number: BMSM-0021

### • Description

Aramid-coated PE separator offering extreme thermal resistance and enhanced electrolyte affinity for high-performance safety cells.

### • Basic Information

Base Material: Polyethylene

Coating Type: Aramid

Thickness ( $\mu$ m): 14

Porosity (%): 42

Gurley Value (s/100mL): 235

Puncture Strength (gf): 390

Tensile MD (kg/cm<sup>2</sup>): 1650

Tensile TD (kg/cm<sup>2</sup>): 1380

Elongation MD (%): 65

Elongation TD (%): 210

Shrinkage MD (120°C): < 1.0%

Shrinkage TD (120°C): < 0.5%

Melt Temp (°C): 140

Shutdown Temp (°C): 132

Dielectric (V/ $\mu$ m): 260

Wettability: Superior

Ionic Cond. (mS/cm): 0.88

Water (ppm): < 200

Basis Weight (g/m<sup>2</sup>): 11.5

Pore Size ( $\mu$ m): 0.03

Appearance: Off-White

Packaging: Roll

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