

## 20 $\mu$ m Reinforced Fiber-Polymer Film

Catlog Number: BMSM-0028

### • Description

Mechanically reinforced membrane using micro-fiber integration to prevent shrinkage and enhance tensile strength in EV batteries.

### • Basic Information

Base Material: Polyolefin

Coating Type: Micro-Fiber

Thickness ( $\mu$ m): 20

Porosity (%): 42

Gurley Value (s/100mL): 280

Puncture Strength (gf): 480

Tensile MD (kg/cm<sup>2</sup>): 1900

Tensile TD (kg/cm<sup>2</sup>): 1400

Elongation MD (%): 35

Elongation TD (%): 42

Shrinkage MD (120°C): < 2.0%

Shrinkage TD (120°C): < 1.0%

Melt Temp (°C): 142

Shutdown Temp (°C): 133

Dielectric (V/ $\mu$ m): 195

Wettability: High

Ionic Cond. (mS/cm): 0.8


Water (ppm): < 350

Basis Weight (g/m<sup>2</sup>): 14.2

Pore Size ( $\mu$ m): 0.04

Appearance: Matte

Packaging: Roll

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