

## 20 $\mu$ m Semi-Solid LATP Composite

Catlog Number: BMSM-0042

### • Description

Composite membrane integrated with LATP solid electrolyte particles, designed to facilitate lithium-ion flux in semi-solid state batteries.

### • Basic Information

Base Material: Polymer

Coating Type: LATP Ceramic

Thickness ( $\mu$ m): 20

Porosity (%): 38

Gurley Value (s/100mL): N/A

Puncture Strength (gf): 340

Tensile MD (kg/cm<sup>2</sup>): 920

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

Elongation MD (%): 25

Elongation TD (%): 22

Shrinkage MD (120°C): < 0.2%

Shrinkage TD (120°C): < 0.1%

Melt Temp (°C): > 220

Shutdown Temp (°C): N/A

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

Wettability: Superior

Ionic Cond. (mS/cm): 0.45

Water (ppm): < 120

Basis Weight (g/m<sup>2</sup>): 28.5

Pore Size ( $\mu$ m): 0.12

Appearance: Grayish

Packaging: Sheet

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