

9µm Ceramic Coated Ultra-Thin PE

Catlog Number: BMSM-0029

• Description

Ultra-thin 9µm separator with a 2µm ceramic layer, providing an ideal balance between energy density and thermal safety.

• Basic Information

Base Material: UHMWPE

Coating Type: Alumina

Thickness (µm): 9

Porosity (%): 41

Gurley Value (s/100mL): 185

Puncture Strength (gf): 280

Tensile MD (kg/cm²): 1500

Tensile TD (kg/cm²): 1300

Elongation MD (%): 60

Elongation TD (%): 220

Shrinkage MD (120°C): < 2.5%

Shrinkage TD (120°C): < 1.0%

Melt Temp (°C): 138

Shutdown Temp (°C): 132

Dielectric (V/µm): 150

Wettability: Excellent

Ionic Cond. (mS/cm): 0.95


Water (ppm): < 250

Basis Weight (g/m²): 6.8

Pore Size (µm): 0.03

Appearance: White

Packaging: Roll

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