

14 μ m Ceramic Coated Wet-Process PE

Catlog Number: BMSM-0013

• Description

Premium wet-process polyethylene film reinforced with a thin Al₂O₃ layer to prevent thermal shrinkage and dendritic short circuits.

• Basic Information

Base Material: UHMWPE

Coating Type: Alumina

Thickness (μ m): 14

Porosity (%): 43

Gurley Value (s/100mL): 205

Puncture Strength (gf): 360

Tensile MD (kg/cm²): 1480

Tensile TD (kg/cm²): 1200

Elongation MD (%): 70

Elongation TD (%): 260

Shrinkage MD (120°C): < 2.0%

Shrinkage TD (120°C): < 0.8%

Melt Temp (°C): 140

Shutdown Temp (°C): 132

Dielectric (V/ μ m): 160

Wettability: Excellent

Ionic Cond. (mS/cm): 0.88

Water (ppm): < 280

Basis Weight (g/m²): 11.2

Pore Size (μ m): 0.032

Appearance: White

Packaging: Roll

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