

Modified Polyolefin Binder

Catlog Number: BMBB-0040

• Description

A non-polar binder optimized for lithium metal protection layers and next-generation sulfide-based solid-state batteries.

• Basic Information

Appearance: White Pellets

Solid Content (%): ≥ 99.7

Viscosity (mPa·s): N/A

pH Value: N/A

Density (g/cm³): 0.92 - 0.95

Purity (%): ≥ 99.5

Moisture Content (%): ≤ 0.01

Melting Point (°C): 120 - 140

Decomposition Temp (°C): > 320

Molecular Weight (Mw): 200,000 - 400,000

Particle Size D50 (μm): N/A

Tensile Strength (MPa): 15 - 30

Elongation at Break (%): 400 - 700

Peel Strength (N/m): ≥ 8

Glass Transition Temp (°C): -40

Solvent Type: Toluene/Xylene

Application Type: Lithium Metal

Active Material Compatibility: Li-Metal, Sulfide SE

Coating Thickness (μm): 2-20

Drying Condition: 90°C / 12h

Swelling Ratio (%): < 2

Ion Conductivity: Low

Electrochemical Window (V): 0.0 - 4.0

Storage Life (Months): 24

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