

Ionic Conductive PEO Binder

Catlog Number: BMBB-0028

• Description

A high-molecular-weight polyethylene oxide binder designed for solid polymer electrolytes and dry electrode processing.

• Basic Information

Appearance: White Flakes

Solid Content (%): ≥ 99.0

Viscosity (mPa·s): N/A

pH Value: 6.0 - 8.0

Density (g/cm³): 1.12 - 1.15

Purity (%): ≥ 99.9

Moisture Content (%): ≤ 0.02

Melting Point (°C): 65 - 68

Decomposition Temp (°C): > 200

Molecular Weight (Mw): 1,000,000 - 5,000,000

Particle Size D50 (μm): N/A

Tensile Strength (MPa): 2-8

Elongation at Break (%): 500 - 1200

Peel Strength (N/m): ≥ 6

Glass Transition Temp (°C): -65

Solvent Type: Acetonitrile

Application Type: Solid State

Active Material Compatibility: Oxide Electrolyte

Coating Thickness (μm): 20 - 200

Drying Condition: 60°C / 24h

Swelling Ratio (%): < 50

Ion Conductivity: Very High

Electrochemical Window (V): 0.0 - 3.8

Storage Life (Months): 12

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