

Solid-State Battery Polymer Binder

Catlog Number: **BMBB-0013**

• Description

A high-performance polyether-based binder optimized for solid-state electrolytes to ensure intimate contact between active particles.

• Basic Information

Appearance: Pale Yellow Solid

Solid Content (%): ≥ 99.0

Viscosity (mPa·s): N/A

pH Value: 6.0 - 7.5

Density (g/cm³): 1.12 - 1.18

Purity (%): ≥ 99.5

Moisture Content (%): ≤ 0.01

Melting Point (°C): 55 - 65

Decomposition Temp (°C): > 280

Molecular Weight (Mw): 1,000,000+

Particle Size D50 (μm): 10 - 50

Tensile Strength (MPa): 5-12

Elongation at Break (%): 600 - 1000

Peel Strength (N/m): ≥ 8

Glass Transition Temp (°C): -60

Solvent Type: Acetonitrile/THF

Application Type: Solid Electrolyte

Active Material Compatibility: Sulfide/Oxide SE

Coating Thickness (μm): 5 - 100

Drying Condition: 80°C / 12h

Swelling Ratio (%): < 3

Ion Conductivity: Very High

Electrochemical Window (V): 0.0 - 4.8

Storage Life (Months): 12

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