

Dry Electrode PTFE Powder

Catlog Number: BMBB-0033

• Description

An ultra-high molecular weight PTFE powder designed for solvent-free dry coating processes, enabling thicker and safer electrodes.

• Basic Information

Appearance: White Fine Powder

Solid Content (%): ≥ 99.8

Viscosity (mPa·s): N/A

pH Value: N/A

Density (g/cm³): 2.15 - 2.20

Purity (%): ≥ 99.9

Moisture Content (%): ≤ 0.02

Melting Point (°C): 325 - 330

Decomposition Temp (°C): > 420

Molecular Weight (Mw): 5,000,000+

Particle Size D50 (μm): 150 - 500

Tensile Strength (MPa): 25 - 40

Elongation at Break (%): 200 - 400

Peel Strength (N/m): ≥ 10

Glass Transition Temp (°C): N/A

Solvent Type: None (Dry)

Application Type: Dry Electrode

Active Material Compatibility: LFP, NCM, Graphite

Coating Thickness (μm): 100 - 500

Drying Condition: N/A

Swelling Ratio (%): < 1

Ion Conductivity: Very Low

Electrochemical Window (V): 0.0 - 5.0

Storage Life (Months): 36

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