

Cross-linked Copolymer Binder

Catlog Number: **BMBB-0021**

• Description

A multifunctional aqueous binder containing hydrophobic and hydrophilic segments for composite silicon-graphite anodes.

• Basic Information

Appearance: Clear Brown Liquid

Solid Content (%): 10 ± 1

Viscosity (mPa·s): 2500 - 5500

pH Value: 7.0 - 8.5

Density (g/cm³): 1.05 - 1.08

Purity (%): ≥ 98.8

Moisture Content (%): 90 (Water)

Melting Point (°C): N/A

Decomposition Temp (°C): > 240

Molecular Weight (Mw): 700,000 - 950,000

Particle Size D50 (μm): 0.25 - 0.40

Tensile Strength (MPa): 35 - 55

Elongation at Break (%): 8-15

Peel Strength (N/m): ≥ 28

Glass Transition Temp (°C): 115

Solvent Type: Water

Application Type: Anode

Active Material Compatibility: Si-Graphite, SiO

Coating Thickness (μm): 10 - 60

Drying Condition: 140°C / 6h

Swelling Ratio (%): < 4

Ion Conductivity: High

Electrochemical Window (V): 0.0 - 4.2

Storage Life (Months): 6

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