

Silver Nanowire Coated PET Film

Catlog Number: BMBCC-0025

• Description

Flexible, semi-transparent conductive substrate for wearable and thin-film battery research applications.

• Basic Information

Substrate Material: PET Film

Purity (%): Polyester Base

Thickness (μm): 50 (Film)

Width (mm): 150

Areal Density (g/m^2): 70 - 75

Tensile Strength (MPa): ≥ 120

Elongation (%): ≥ 60

Surface Finish: AgNW Coated

Surface Roughness (R_a , μm): ≤ 0.05

Electrical Resistivity ($\Omega \cdot \text{m}$): 15 (Ω/sq)

Thermal Conductivity ($\text{W}/\text{m} \cdot \text{K}$): 0.2

Melting Point ($^{\circ}\text{C}$): 250

Oxidation Resistance (Temp/Time): 100°C / 20min

Coating Type: Silver Nanowires

Coating Thickness (μm): 0.1 - 0.2

Core ID (mm): 38

Standard Length (m): 2

Operating Voltage Range (V): 0.0 - 3.0

Application Compatibility: Flexible Thin-film

Storage Requirements: UV Protected

Form Factor: Sheet

Hydrophilic Properties: Transparent

Compliance / Grade: Optical Grade

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