

Precision Expanded Titanium Mesh

Catlog Number: BMBCC-0071

• Description

Lightweight 3D titanium grid providing a robust structural scaffold and excellent corrosion resistance for high-voltage aqueous systems.

• Basic Information

Substrate Material: Grade 2 Ti

Purity (%): ≥ 99.6

Thickness (μm): 150

Width (mm): 150

Areal Density (g/m^2): 220 - 250

Tensile Strength (MPa): ≥ 280

Elongation (%): ≥ 10.0

Surface Finish: Diamond Pattern

Surface Roughness (R_a , μm): N/A

Electrical Resistivity ($\Omega\cdot\text{m}$): 4.2×10^{-7}

Thermal Conductivity ($\text{W}/\text{m}\cdot\text{K}$): 21.9

Melting Point ($^{\circ}\text{C}$): 1668

Oxidation Resistance (Temp/Time): 400°C / 45min

Coating Type: N/A

Coating Thickness (μm): N/A

Core ID (mm): N/A

Standard Length (m): 5

Operating Voltage Range (V): 0.0 - 5.5

Application Compatibility: Aqueous Batteries

Storage Requirements: Dry Environment

Form Factor: Mesh Roll

Hydrophilic Properties: High Permeability

Compliance / Grade: Research Grade

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