

Hard Nickel Mesh (200 Mesh)

Catlog Number: BMBCC-0028

• Description

Fine-woven nickel wire cloth used as a current collector and support structure in alkaline fuel cells and water electrolyzers.

• Basic Information

Substrate Material: Nickel 200

Purity (%): ≥ 99.6

Thickness (μm): 100 (Wire Dia)

Width (mm): 300

Areal Density (g/m^2): 380 - 400

Tensile Strength (MPa): ≥ 350

Elongation (%): ≥ 15.0

Surface Finish: Woven Mesh

Surface Roughness (Ra, μm): Aperture: $75\mu\text{m}$

Electrical Resistivity ($\Omega\cdot\text{m}$): 7.0×10^{-8}

Thermal Conductivity ($\text{W}/\text{m}\cdot\text{K}$): 91

Melting Point ($^{\circ}\text{C}$): 1445

Oxidation Resistance (Temp/Time): 400°C / 60min

Coating Type: N/A

Coating Thickness (μm): N/A

Core ID (mm): N/A

Standard Length (m): 30

Operating Voltage Range (V): 0.0 - 1.5

Application Compatibility: Alkaline Systems

Storage Requirements: Clean Room

Form Factor: Roll

Hydrophilic Properties: 3D Conductive

Compliance / Grade: Industrial Grade

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