

Battery Connectors

Nickel Strip and Tags

Datasheet



Overview

We use Nickel 200/201 grade, which conforms to the ASTM B162 standard. It's commercially pure (99.6% and higher) with good mechanical properties, and is resistant to a range of corrosive media. Our nickel strip and tags make excellent battery connectors because they have a low electrical resistance.

Most of the material we provide will be used as battery connectors, to link cells together either as a single tag from cell to cell or as a special etched or stamped tag, which can link multiple cells. The tags can be used as electronic parts, and in resistance to corrosion applications, like handling alkaline solutions and foods.

Forming

Nickel is readily formed by conventional means.

It behaves in a similar fashion to plain carbon steel, except more power is required to form nickel.

Tag sizes

All tags are cut to order using our in-house slitting and cutting machines, and we're able to provide any standard shaped tag you need. Non-standard tags are available, please send us your request.

Typical chemical composition (%)

	Nickel 200/201
Ni	99.5
Cu	0.001
Fe	0.07
Mn	0.25
C	0.01
Si	0.14
S	0.001
Mg	0.02
Ti	0.002

Typical mechanical properties

	Nickel 200/201
Tensile Strength N/mm ²	Max 130
Electrical Resistivity Ω /m	Min 50
Electrical Resistivity Ω /m	9.0×10^{-8}

Gauges available

- Stock gauge 0.127mm
- 0.1mm to 0.3mm, tolerance 0.01mm (industry standard)
- We can provide nickel plate/sheet from 0.5mm

Sizes available

- 1mm to 305mm 0.1mm in coil or plate
- Sheet 1219mm x 2000mm

Coil sizes

- 2mm to 305mm width

Inspection

All incoming material is inspected and confirmed to conform to the above criteria. All orders are visually inspected prior to despatch.



Datum

The data says yes