



Nickel Strip and Tags

Ni201

Our commercially pure nickel strip and tabs (Ni 201) make excellent **battery connectors** with their low electrical resistivity.

Our Nickel 201 and nickel-plated strip (**0.127mm thick**) is a standard stock item that can be slit and cut to your requirements.

We can also provide **0.1mm, 0.15mm, 0.2mm, 0.25mm** and **0.3mm** upon your request.

NOMINAL CHEMICAL COMPOSITION							
	Ni	Fe	Mg	Si	Cu	C	Other
Ni 201	99.00 min	.40 max	.35 max	.35 max	.25 max	.02 max	.01 S

APPLICABLE SPECIFICATIONS
ASTM B-160, 162

MECHANICAL PROPERTIES			
Annealed			
Hardness	Tensile Strength	Yield Strength	Elongation in 50.8mm
114 HV	340 - 510 Nmm ⁻²	105 - 205 Nmm ⁻²	40 - 55%
Cold Worked			
Hardness	Tensile Strength	Yield Strength	Elongation in 50.8mm
210 HV	620 - 896 Nmm ⁻²	480 - 790 Nmm ⁻²	2 - 15%

THERMAL PROPERTIES	
Coefficient of Expansion 0 - 100°C	Thermal Conductivity 0 - 100°C
13.3 x 10 ⁻⁶ K ⁻¹	90.9 Wm ⁻¹ K ⁻¹

ELECTRICAL PROPERTIES
Electrical Resistivity
6.9 uOhm cm