

Characteristics

- High durability and electric conductivity
- Referential standards: JIS H4551-2000, NW2201(Ni201)

Chemical Composition(wt%)

Ni

≧ 99.0



Mechanical Properties

Temper	Tensile Strength(N/mm ²)	Elongation(%)	Hardness(HV)
A	340-490	25-	80-125
1/4H	340-490	15-35	100-160
1/2H	390-590	2-20	140-190
H	440-640	1-15	170-210

Physical Properties

Density(20 °C)	g/cm ³	8.9
Electrical resistivity	X10 ⁻² μΩ•m	9
Coefficient of thermal expansion	X10 ⁻⁷ /°C	145(30-300 °C)
Curie Point	°C	360
Melting Point	°C	1450

Manufacturing range

Product Form	Coil
Thickness(mm)	0.1-1.0
Width(mm)	2.5-400

Main application

- Lead and terminal for rechargeable battery
- Hybrid ICs
- Sensors for automobile

