

Nickel / Nickel Alloys

Ni 98% min / Ni 201

Version 1

| Symbol | Number | Element | Cu | Mn | Fe | Ni | Mg | C | Density g/cm ³ |
|-----------|--------|---------|------|-----|------|------|------|------|------------------------------|
| Ni 98%min | Ni 201 | Min % | - | - | - | 99.8 | - | - | 8.9 |
| | | Max % | 0.01 | 0.3 | 0.20 | - | 0.05 | 0.02 | |

Physical Properties:

- Resistivity: 0.085 ($\Omega \times \text{mm}^2/\text{m}$)
- Temperature coefficient of resistance at 20-100°C (1/K): 0.0045
- Melting Point: 1450° C
- Elongation at soft temper: >25%

Size Tolerances:

| | |
|-------------|----------|
| <0.25mm | ±0.005mm |
| 0.25-0.50mm | ±0.008mm |
| 0.50-1.00mm | ±0.012mm |
| 1.00-2.00mm | ±0.02mm |
| 2.00-4.00mm | ±0.03mm |

Typical applications:

- Resistance wire



Chaplin Bros. (Birmingham) Limited
Reddicap Trading Estate
Sutton Coldfield
West Midlands
B75 7BU, England

Tel: +44(0)121 378 0565
Email: sales@chaplinwire.com
www.chaplinwire.com

