

Technical datasheet

Alloy 201 | 2.4068

Major specifications

UNS N02201

ASTM B162

Available product forms

Coils and Sheets

The current stock range can be found on www.sd-metals.com. Further dimensions available upon request. Use our Service Centre to have the available sizes cut to your desired dimensions.

Key features

Commercially pure Nickel (Alloy 201), with good mechanical properties and excellent corrosion resistance in many environments. Compared to nickel alloys, Nickel 201 has high electrical and thermal conductivity and good magnetostriuctive properties. It also maintains high ductility over a wide range of temperatures.

Applications

- electrical and electronic components
- electrode contacts
- anodes
- battery plates
- fuel cells
- electroplating components

Chemical properties

Composition - limits in %

Ni (+Co)

min. 99,00

C

max. 0,02

Physical and thermal properties

Density	8,89 g/cm ³
Melting temperature	1435 - 1446 °C
Thermal conductivity	79 W/m • °C
Electrical resistivity	0,85 µohm • m
Coefficient of expansion at 21-93°C	13,1 µm/m • °C

Typical mechanical properties (room temperature)

Yield strength	min. 103 MPa
Tensile strength	min. 403 MPa
Elongation	min. 50 %

All information is subject to change without notice.

The properties correspond to the material in the heading. They may vary for other specifications.

Please contact us for more details.