

DATA SHEET

ALLOY 201 | 2.4068

Major specifications

UNS N02201 | ASTM B162

Product forms

Coils and Sheets

The current Stock Range can be found on www.sd-metals.com. Further dimensions available upon request.

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 magnetostrictive properties. It also maintains high ductility over a wide range of temperatures.

Areas of application

Electrical and electronic components, electrode contacts, anodes, battery plates, fuel cells and electroplating components.

CHARACTERISTIC

Chemical composition limits in %

C max. 0,02

Ni (+Co) min. 99,00

Physical constants and thermal properties

Density 8,89 g/cm³

Melting point 1435 - 1446 °C

Thermal conductivity 79 W/m • °C

Electrical resistivity 0,85 µhm•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.