



Characteristics and scope of application

- Because of the low carbon content, NR-Ni 99 is highly resistant against alkalines, even at high temperatures.
- Therefore this material is used for chemical devices and pressure vessels.
- With the invention of the founder of Deutsche Nickel, Theodor Fleitmann, Nickel became malleable due to the addition of magnesium.

Standard designations

- DN designation NR-Nickel 99
- Alloy number / UNS 2.4068 / N02201
- Norms DIN 17740 / DIN 17752 / DIN 17753 / ASTM B160 / VdTÜV 345
- Typical chemical composition Ni min. 99.0%, C max. 0.02%

Physical properties

Density	Temperature liquidus line	Inflection temperature	Electrical resistivity	Mean coefficient of thermal expansion
lb/in ³	°F	°F	Ohm CMF	10 ⁻⁶ /°F RT to 212°F
0.32	2624	716	51	7.2

Mechanical properties

Ultimate tensile strength	Yield strength	Elongation
ksi	ksi	%
65*	22*	40*

* soft annealed