



Characteristics and scope of application

- Because of the low carbon content, NR-Ni 99,6 is highly resistant against alkalines, even at high temperatures.
- 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 99,6
- Alloy number / UNS 2.4061 / -
- Norms DIN 17740 / DIN 17752 / DIN 17753
- Typical chemical composition Ni min. 99.6%, C max. 0.02%

Physical properties

Density	Temperature liquidus line	Inflection temperature	Electrical resistivity	Mean coefficient of thermal expansion
kg/dm ³	°C	°C	Ohm mm ² /m	10 ⁻⁶ /K RT to 100°C
8.9	1440	380	0.085	13

Mechanical properties

Ultimate tensile strength	Yield strength	Elongation
MPa	MPa	%
450*	150*	40*

* soft annealed