



Characteristics and scope of application

- R-Nickel 99,2 is resistant against corrosive attack in most media and furthermore immune to pitting and intercrystalline corrosion.
- With the invention of the founder of Deutsche Nickel, Theodor Fleitmann, Nickel became malleable due to the addition of magnesium.

Standard designations

- DN designation R-Nickel 99,2
- Alloy number / UNS 2.4066 / N02200
- Norms DIN 17740 / DIN 17752 / DIN 17753 / ASTM B160
- Typical chemical composition Ni min. 99.2%

Physical properties

Density	Temperature liquidus line	Curie point	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