



Characteristics and scope of application

- This material has got excellent mechanical properties over a wide range of temperatures, as well as good corrosion resistance.
- Due to the chrome content it is more resistant than R-Nickel 99,2 and NR-Nickel 99.

Standard designations

- DN designation Ferrochronin 600
- Alloy number / UNS 2.4816 / N06600
- Norms DIN 17742 / DIN 17752 / 17753 / VdTÜV 305 /
ASTM B166 / ASTM B564
- Typical chemical composition Ni 74%, Cr 16%, Fe 9%

Physical properties

Density	Temperature liquidus line	Electrical resistivity	Mean coefficient of thermal expansion
lb/in ³	°F	Ohm CMF	10 ⁻⁶ /°F 68 to 572°F
0.31	2597	602	7.8

Mechanical properties

Ultimate tensile strength	Yield strength	Elongation
ksi	ksi	%
87*	44*	40*

* soft annealed