



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.
- In contrast to Ferrochronin 600 it is more resistant to sulfur in alkaline solutions while heated.

Standard designations

- DN designation Ferrochronin 600LC
- Alloy number / UNS 2.4817 / -
- Norms DIN 17742 / DIN 17752 / 17753 /
- Typical chemical composition Ni 77%, Cr 14.5%, Fe 7.5%, C max. 0.025%

Physical properties

Density	Temperature liquidus line	Electrical resistivity	Mean coefficient of thermal expansion
kg/dm ³	°C	Ohm mm ² /m	10 ⁻⁶ /K RT to 300°C
8.5	1425	1.0	14

Mechanical properties

Ultimate tensile strength	Yield strength	Elongation
MPa	MPa	%
580*	280*	40*

* soft annealed