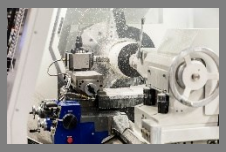
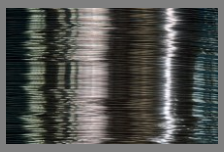
Technical Datasheet
LC-NiCr15Fe

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
lb/in³	°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	%
84*	41*	40*

* soft annealed

Deutsche Nickel