



Characteristics and scope of application

- Alloyed with chrome and aluminum, this material forms a dense oxidation layer, which results in high resistance to scaling and against aggressive gases.
- It offers high strength at elevated temperatures.

Standard designations

- DN designation Ferrochronin 601
- Alloy number / UNS 2.4851 / N06601
- Norms DIN 17742 / DIN 17752 / 17753 / ASTM B166
- Typical chemical composition Ni 61%, Cr 23%, Fe 14%, Al 1.4%

Physical properties

Density	Temperature liquidus line	Inflection temperature	Electrical resistivity	Mean coefficient of thermal expansion
lb/in ³	°F	°F	Ohm CMF	10 ⁻⁶ /°F 68 to 212°F
0.30	2570	-310	722	7.8

Mechanical properties

Ultimate tensile strength	Yield strength	Elongation
ksi	ksi	%
88*	45*	40*

* soft annealed