



Characteristics and scope of application

- This very corrosion resistant heating resistor material also has got a very low coefficient of thermal expansion.
- We usually manufacture within a +/-3% tolerance of the electrical resistivity.

Standard designations

- DN designation Vernicon
- Alloy number / UNS 2.0842 / C72150
- Norms DIN 17471 (DIN 17664) ASTM B151
- Typical chemical composition Cu 55%, Ni 44%

Physical properties

Density	Temperature liquidus line	Electrical resistivity	Mean coefficient of thermal expansion
lb/in ³	°F	Ohm CMF	10 ⁻⁶ /°F 68 to 212°F
0.32	2372	295	7.5

Mechanical properties

Ultimate tensile strength	Yield strength	Elongation
ksi	ksi	%
61*	-	25*

* soft annealed