



Characteristics and scope of application

- This heating resistor material is more corrosion resistant than CuNi2 und CuNi6.
- We usually manufacture within a +/-5% tolerance of the electrical resistivity.

Standard designations

- DN designation CuNi10
- Alloy number / UNS 2.0811 / C70700
- Norms DIN 17471 / ASTM B267
- Typical chemical composition Cu 90%, Ni 10%

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 100°C
8.9	1100	0.15	16

Mechanical properties

Ultimate tensile strength	Yield strength	Elongation
MPa	MPa	%
290*	-	25*

* soft annealed