



Characteristics and scope of application

- This corrosion resistant material has got a very low electrical resistivity and thus is used for lowresistant resistors.
- We usually manufacture within a +/-10% tolerance of the electrical resistivity.

Standard designations

- DN designation CuNi2
- Alloy number / UNS 2.0802 / C70200
- Norms DIN 17471 / ASTM B267
- Typical chemical composition Cu 98%, Ni 2%

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 | 1994 | 30 | 9.2 |

Mechanical properties

| Ultimate tensile strength | Yield strength | Elongation |
|---------------------------|----------------|------------|
| ksi | ksi | % |
| 32* | - | 25* |

* soft annealed