



Characteristics and scope of application

- This material comes into use if higher ultimate tensile strength than pure Nickel is needed.
- It shows higher resistance against oxidation and is more persistent in sulphur containing atmospheres.
- Possible applications are lead-in wires and connector pins.

Standard designations

- DN designation NiMn5
- Alloy number / UNS 2.4116 / N02211
- Norms DIN 17741 / DIN 17753
- Typical chemical composition Ni 95%, Mn 5%

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 RT to 212°F
0.32	2606	662	96	7.2

Mechanical properties

Ultimate tensile strength	Yield strength	Elongation
ksi	ksi	%
73*	29*	40*

* soft annealed