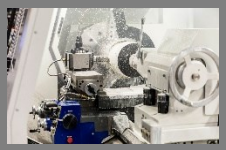
Technical Datasheet
NiMn5




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 persistant 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	Curie point	Electrical resistivity	Mean coefficient of thermal expansion
kg/dm³	°C	°C	Ohm mm²/m	10^{-6}/K | RT to 100°C
8.8	1430	350	0.16	13

Mechanical properties

Ultimate tensile strength	Yield strength	Elongation
MPa	MPa	%
500*	200*	40*

* soft annealed

Deutsche Nickel