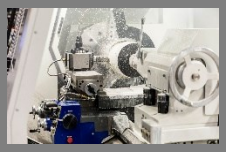
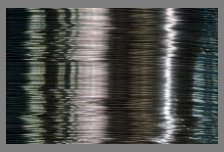
Technical Datasheet
NiMn2

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: NiMn2
- Alloy number / UNS: 2.4110 / N02212
- Norms: DIN 17741 / DIN 17753
- Typical chemical composition: Ni 98%, Mn 2%

Physical properties

Density	Temperature liquidusline	Inflection temperature	Electrical resistivity	Mean coefficient of thermal expansion
lb/in³	°F	°F	Ohm CMF	10^{-6}/°F | RT to 212°F
0.32	2624	698	66	7.2

Mechanical properties

Ultimate tensile strength	Yield strength	Elongation
ksi	ksi	%
70*	26*	40*

* soft annealed

Deutsche Nickel