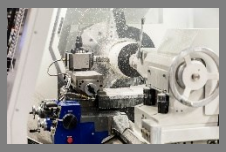
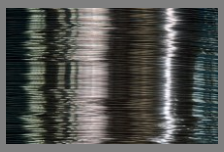
Technical Datasheet
NiMn2

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	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	1440	370	0.11	13

Mechanical properties

Ultimate tensile strength	Yield strength	Elongation
MPa	MPa	%
480*	180*	40*

* soft annealed

Deutsche Nickel