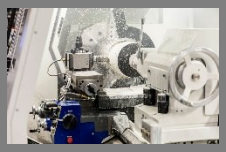
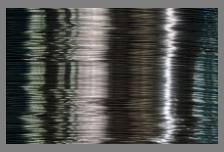
Technical Datasheet
Ni 36

Characteristics and scope of application

- Alloy with low / very low CTE for thermally stable components

Standard designations

- DN designation: Dilaton 36
- Alloy number / UNS: 1.3912 / K93603
- Norms: DIN 17745 / SEW 385 / ASTM F1684
- Typical chemical composition: Ni 36%, Fe 64%

Physical properties

Density	Temperature liquidus line	Inflection temperature	Electrical resistivity	Mean coefficient of thermal expansion
kg/dm³	°C	°C	Ohm mm²/m	10^{-6}/K | RT to 100°C
8.1	1435	280	0.79	1.2 – 1.8

Mechanical properties

Ultimate tensile strength	Yield strength	Elongation
MPa	MPa	%
490*	270*	40*

* soft annealed

Deutsche Nickel