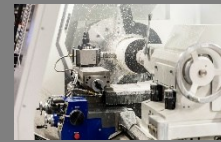


Technical Datasheet NiCo 29/18 (Alloy K)



Characteristics and scope of application

- Alloy with special CTE for melting into soft glasses

Standard designations

- DN designation Dilaton 29/18
- Alloy number / UNS 1.3981 / K94610
- Norms DIN 17745 / SEW 385 / ASTM F15
- Typical chemical composition Ni 29%, Co 18%, Fe 53%

Physical properties

Density	Temperature liquidus line	Inflection temperature	Electrical resistivity	Mean coefficient of thermal expansion
kg/dm ³	°C	°C	Ohm mm ² /m	10 ⁻⁶ /K RT to 400°C
8.3	1450	430	0.46	4.6 – 5.6

Mechanical properties

Ultimate tensile strength	Yield strength	Elongation
MPa	MPa	%
530*	270*	40*

* soft annealed