



Characteristics and scope of application

- Alloy with special CTE for melting into soft glasses
- Glass and ceramics sealings

Standard designations

- DN designation Dilaton 48
- Alloy number / UNS 1.3922 / K94800
- Norms DIN 17745 / SEW 385 / ASTM F30
- Typical chemical composition Ni 48%, Fe 52%

Physical properties

Density	Temperature liquidus line	Inflection temperature	Electrical resistivity	Coercivity	Mean coefficient of thermal expansion
kg/dm ³	°C	°C	Ohm mm ² /m	Hc [A/m]	10 ⁻⁶ /K RT to 400°C
8.3	1445	440	0.43	< 12	8.3 – 8.9

Mechanical properties

Ultimate tensile strength	Yield strength	Elongation
MPa	MPa	%
510*	280*	40*

* soft annealed