



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
lb/in ³	°F	°F	Ohm CMF	Hc [A/m]	10 ⁻⁶ /°F 68 to 752°F
0.30	2633	824	259	< 12	4.6 – 4.9

Mechanical properties

Ultimate tensile strength	Yield strength	Elongation
ksi	ksi	%
74*	41*	40*

* soft annealed