



Characteristics and scope of application

- Alloy with special CTE for melting into soft glasses

Standard designations

- DN designation Dilaton 42
- Alloy number / UNS 1.3917 / -
- Norms DIN 17745 / SEW 385
- Typical chemical composition Ni 42%, Fe 58%

Physical properties

Density	Temperature liquidus line	Inflection temperature	Electrical resistivity	Mean coefficient of thermal expansion
lb/in ³	°F	°F	Ohm CMF	10 ⁻⁶ /°F 68 to 572°F
0.29	2624	752	379	2.2 – 3.2

Mechanical properties

Ultimate tensile strength	Yield strength	Elongation
ksi	ksi	%
71*	39*	40*

* soft annealed