



Characteristics and scope of application

- Alloy with special CTE for melting into soft glasses

Standard designations

- DN designation Dilaton 54
- Alloy number / UNS 2.4475 / -
- Norms DIN 17745 / SEW 385
- Typical chemical composition Ni 54%, Fe 46%

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 30 – 550°C
8.2	1450	550	0.34	9.8 – 10.6

Mechanical properties

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

* soft annealed