



Characteristics and scope of application

- Alloy with special CTE for melting into soft glasses

Standard designations

- DN designation Dilaton 52
- Alloy number / UNS - / -
- Norms ASTM F30
- Typical chemical composition Ni 52%, Fe 48%

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
0.30	2642	959	205	5.5 – 5.8 (86 – 842°C) 5.6 – 5.9 (86 – 1022°C)

Mechanical properties

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

* soft annealed