



### Characteristics and scope of application

- Alloy with special CTE for melting into soft glasses

### Standard designations

- DN designation Dilaton 41
- Alloy number / UNS - / K94100
- Norms ASTM F30
- Typical chemical composition Ni 41%, Fe 59%

### Physical properties

Density	Temperature liquidus line	Inflection temperature	Electrical resistivity	Mean coefficient of thermal expansion
lb/in <sup>3</sup>	°F	°F	Ohm CMF	10 <sup>-6</sup> /°F
0.30	2624	752	379	2.2 – 2.6 (86 – 572°F) 3.7 – 4.1 (86 – 752°F)

### Mechanical properties

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

\* soft annealed