



### Characteristics and scope of application

- Alloy with special CTE for melting into soft glasses
- Glass and ceramics sealings

### Standard designations

- DN designation Dilaton 46
- Alloy number / UNS 1.3920 / K94600
- Norms DIN 17745 / SEW 385 / ASTM F30
- Typical chemical composition Ni 46%, Fe 54%

### Physical properties

Density	Temperature liquidus line	Inflection temperature	Electrical resistivity	Mean coefficient of thermal expansion
kg/dm <sup>3</sup>	°C	°C	Ohm mm <sup>2</sup> /m	10 <sup>-6</sup> /K   RT to 300°C
8.2	1450	460	0.45	7.1 – 8.4

### Mechanical properties

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

\* soft annealed