



### Characteristics and scope of application

- This moderately strong material keeps its good corrosion resistance from low to high temperatures.
- It may be precipitation hardened, in contrast to the other Silverin materials.

### Standard designations

- DN designation Silverin 500
- Alloy number / UNS 2.4375 / N05500
- Norms DIN 17743 / DIN 17752 / ASTM B865 / QQN 286
- Typical chemical composition Ni 65%, Cu 30%, Al 3%, Fe 0.8%, Ti 0.6%

### Physical properties

Density	Temperature liquidus line	Inflection temperature	Electrical resistivity	Mean coefficient of
lb/in <sup>3</sup>	°F	°F	Ohm CMF	10 <sup>-6</sup> /°F   68 to 212°F
0.31	2400	max. 275* max. 212**	289	7.8

### Mechanical properties

Ultimate tensile strength	Yield strength	Elongation
ksi	ksi	%
94*	44*	40*
140**	100**	20**

\* solution annealed  
\*\* precipitation hardened