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		Date: 05/2014

Alloy	Au 585 Ni	
Item – no.	640-585	
Colour	white Ni 8 %	
Precious metals	Au 58,5 Ag 5,2	[%]
Density	12,9	[g/cm ³]
Melting range	860 – 950	[°C]

Properties	soft - annealed	
Annealing temperature	700 – 750	[°C]
Hardness	210	[HV]
Tensile strength		[MPa]
Yield point		[MPa]
Elongation		[%]

Casting of jewellery		
Flask temperature	approx. 600	[°C]
Casting temperature	1050 – 1150	[°C]
Hardness	210	[HV]

Portrait of alloy

- Hard Ni - white gold alloy
- Good turning and casting characteristics
- Very good spring loaded property
- After annealing do not quench in water over a temperature of 550°C
- Annealing under protective atmosphere
- Application: especially springs

Note about the current regulation REACH, ANNEX XVII, Item 27:

This alloy was tested according to DIN EN 1811:2012 by an independent, accredited laboratory. For the sample the migration limit for release of nickel of 0.5 µg/cm²/week for articles was not exceeded. However, we must point out that this standard does apply to finished articles. Any changes in the surface properties (grinding, polishing, soldering, welding, heat treatment) or contact corrosion (especially with steel) changes the nickel release of the product. The final manufacturer is responsible for assaying nickel release.