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| Heimerle + Meule GmbH Dennigstr. 16, D - 75179 Pforzheim Phone: + 49 (0) 7231-940-0 www.heimerle-meule.com | Material data | WKD – 618.750 |
| | | Date: 05/2014 |

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|-----------------|------------------|----------------------|
| Alloy | Au 750 Ni | |
| Item – no. | 618-750 | |
| Colour | white Ni 3.8 % | |
| Precious metals | Au 75 | [%] |
| Density | 14,6 | [g/cm ³] |
| Melting range | 860 - 895 | [°C] |

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| Properties | soft - annealed | |
| Annealing temperature | 700 – 750 | [°C] |
| Hardness | 160 | [HV] |
| Tensile strength | | [MPa] |
| Yield point | | [MPa] |
| Elongation | | [%] |

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| Casting of jewellery | | |
| Flask temperature | approx. 600 | [°C] |
| Casting temperature | 1000 – 1100 | [°C] |
| Hardness | 160 | [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.