

<b>Heimerle + Meule GmbH</b> Dennigstr. 16, D - 75179 Pforzheim Phone: + 49 (0) 7231-940-0 www.heimerle-meule.com	<h2>Material data</h2>	<b>WKD – 147.750</b>
		Date: 05/2014

<b>Alloy</b>	<b>Au 750</b>	
Item-no.	<b>147 - 750</b>	
Colour	white Mn	
Precious metals	Au 75,0 Ag 12,9	[%]
Density	14,8	[g/cm <sup>3</sup> ]
Melting range	830 – 915	[°C]

<b>Annealing:</b>	Protective atmosphere (if need be salt bath)	
Annealing temperature	650 - 700	[°C]
Cooling	Slowly up to 350 °C under protective atmosphere, after that cooling in water	
Pickling	Diluted sulphuric acid or phosphoric acid, Vitrex	
<b>Material properties:</b>	soft - annealed	
Hardness	150	[HV]
Tensile strength	690	[MPa]
Yield point	450	[MPa]
Elongation	25	[%]
<b>Solder:</b>	Pretreatment Deoxidize areas to be soldered	
Treatment	Hydrozon	
Flux	Boraxin, flux H, partially fluoron	
Cleaning / pickling	Diluted sulphuric acid or phosphoric acid, Vitrex	

### Portrait of alloy

- Hard, white gold alloy, non-hardening
- Ni- and Pd – free
- Good workability for jewellery fabrication (good cutting properties)
- Suitable for sintering technologies
- Do not plate with rhodium
- Ring blanks, delivery hardness: approx. 150 HV
- Because of oxidizing of alloy components special procedures are required during any heat treatment (reducing atmosphere, using flux)

For memoire-rings and tension rings we recommend our Pd – white gold alloy.

133-750.