

Heimerle + Meule GmbH Dennigstr. 16, D - 75179 Pforzheim Phone: + 49 (0) 7231-940-0 www.heimerle-meule.com	Material data	WKD – 111.750
		Date: 05/2014

Alloy	Au 750	
Item – no.	111-750	
Colour	red	
Precious metals	Au 75,0 Ag 0,5	[%]
Density	14,9	[g/cm ³]
Melting range	915 - 940	[°C]

Properties	soft - annealed	
Annealing temperature	650	[°C]
Hardness	175	[HV]
Tensile strength	580	[MPa]
Yield point	430	[MPa]
Elongation	min. 35	[%]
Casting of jewellery		
Flask temperature	approx. 600	[°C]
Casting temperature	1050 - 1150	[°C]
Hardness	165 - 290	[HV]

Portrait of alloy

- Hard gold alloy
- Good forming capacity
- Good turning characteristics
- After annealing quenching in water
- Age-hardenable up to 290 HV: 280°C, 5 min, slow cooling down
- Hardness after casting depends on cooling condition
- Especially tubes and ring blanks for wedding rings
- Ring blanks, delivery hardness: approx. 180 HV