

<b>Heimerle + Meule GmbH</b> Dennigstr. 16, D - 75179 Pforzheim Phone: + 49 (0) 7231-940-0 www.heimerle-meule.com	<b>Material data</b>	WKD – 116.585
		Date: 05/2014

<b>Alloy</b>	<b>Au 585</b>	
Item – no.	<b>116-585</b>	
Colour	rich yellow	
Precious metals	Au 58,5 Ag 19,0	[%]
Density	13,5	[g/cm <sup>3</sup> ]
Melting range	835 – 875	[°C]

<b>Properties</b>	soft - annealed	
Annealing temperature	650	[°C]
Hardness	180	[HV]
Tensile strength	590	[MPa]
Yield point	510	[MPa]
Elongation	25	[%]

<b>Casting of jewellery</b>		
Flask temperature	approx. 600	[°C]
Casting temperature	975 – 1075	[°C]
Hardness	180 – 200	[HV]

### Portrait of alloy

- Hard gold alloy
- Good forming capacity
- Good turning and casting characteristics
- Excellent workability for jewellery fabrication
- Suitable to produce tubes and ring blanks for wedding rings
- Ring blanks, delivery hardness: approx. 200 HV
- Age-hardenable up to 280 HV: 350°C, 5 min, slow cooling down on air
- After annealing quenching in water