

Heimerle + Meule GmbH Dennigstr. 16, D - 75179 Pforzheim Phone: + 49 (0) 7231-940-0 www.heimerle-meule.com	Material data	WKD - 186.585
		Date: 05/2014

Alloy	Pd 585 W Ru	
Item – no.	186-585	
Colour	deep grey	
Precious metals	Pd 58,5 Ag 28,6	[%]
Density	10,9	[g/cm ³]
Melting range	1160 - 1245	[°C]

Properties	soft - annealed	
Annealing temperature	800	[°C]
Hardness	170	[HV]
Tensile strength		[MPa]
Yield point		[MPa]
Ultimate elongation		[%]

Casting of jewellery		
Flask temperature	900	[°C]
Casting temperature	1400	[°C]
Hardness	190	[HV]

Portrait of alloy

- Fine-grained Pd - alloy with high hardness
- Excellent workability
- High ductility and cutting properties (turning/milling)
- Easy polishing
- Suitable for sintering technologies (low cooling down)
- Suitable to produce tubes and ring blanks for wedding rings
- Solder: L-Pt W (1070°C)

Special applications:

Ring blanks, delivery hardness: approx. 180 HV