

<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 - 185.500
		Date: 05/2014
<b>Alloy</b>	<b>Pd 500 W Ru</b>	
Item – no.	<b>185-500</b>	
Colour	grey	
Precious metals	Pd 50,0 Ag 34,8	[%]
Density	10,8	[g/cm <sup>3</sup> ]
Melting range	1100 - 1180	[°C]

<b>Properties</b>	soft - annealed	
Annealing temperature	900	[°C]
Hardness	170	[HV]
Tensile strength		[MPa]
Yield point		[MPa]
Ultimate elongation		[%]
<b>Casting of jewellery</b>		
Flask temperature	approx. 850	[°C]
Casting temperature	1290 - 1390	[°C]
Hardness	200	[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 (slow cooling down)
- Suitable to produce tubes and ring blanks for wedding rings
- Age-hardenable up to 200 HV (500°C, 30 min, slow cooling down)
- Solder: L-Pt W (1070°C)

### Special applications:

Ring blanks: delivery-hardness approx. 170 HV