

## Wieland Duo Pal 6 PFM Alloy

Category : Metal , Nonferrous Metal , Precious Metal , Palladium Alloy

### Material Notes:

Palladium-base ceramic alloy  
Applications: crowns, short span bridges, long span bridges, telescopic and milling work, removable partials, ceramic veneering, acrylic veneering  
Dental

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Wieland-Duo-Pal-6-PFM-Alloy.php](http://www.lookpolymers.com/polymer_Wieland-Duo-Pal-6-PFM-Alloy.php)

Physical Properties	Metric	English	Comments
Density	11.6 g/cc	0.419 lb/in <sup>3</sup>	

Mechanical Properties	Metric	English	Comments
Hardness, Vickers	250	250	HV5/30; after porcelain firing
	250	250	HV5/30; hardened
Tensile Strength, Yield	520 MPa @Strain 0.200 %	75400 psi @Strain 0.200 %	after porcelain firing
	520 MPa @Strain 0.200 %	75400 psi @Strain 0.200 %	hardened
Elongation at Break	27 %	27 %	after porcelain firing
	27 %	27 %	hardened
Modulus of Elasticity	116 GPa	16800 ksi	

Thermal Properties	Metric	English	Comments
CTE, linear	14.1 µm/m-°C	7.83 µin/in-°F	
	@Temperature 25.0 - 500 °C	@Temperature 77.0 - 932 °F	

Component Elements Properties	Metric	English	Comments
Gallium, Ga	6.5 %	6.5 %	
Germanium, Ge	0.10 %	0.10 %	
Gold, Au	6.0 %	6.0 %	
Palladium, Pd	75 %	75 %	
Ruthenium, Ru	0.50 %	0.50 %	

Component Elements Properties	Metric	English	Comments
Tin, Sn	3.5 %	3.5 %	

Processing Properties	Metric	English	Comments
Processing Temperature	849 °C	1560 °F	Preheating Temp.
Melt Temperature	1110 - 1280 °C	2030 - 2340 °F	
Casting Temperature	1400 °C	2550 °F	

Descriptive Properties	Value	Comments
Color	white	

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China