

## Wieland Portadur P2 Casting Alloy

Category : Metal , Nonferrous Metal , Precious Metal , Gold Alloy

### Material Notes:

Gold casting alloy Applications: inlays/onlays, crowns, short span bridges, long span bridges, telescopic and milling works, removable partials, acrylic veneeringDental

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Wieland-Portadur-P2-Casting-Alloy.php](http://www.lookpolymers.com/polymer_Wieland-Portadur-P2-Casting-Alloy.php)

Physical Properties	Metric	English	Comments
Density	15.3 g/cc	0.553 lb/in <sup>3</sup>	

Mechanical Properties	Metric	English	Comments
Hardness, Vickers	230	230	HV5/30; as cast
	230	230	HV5/30; hardened
Tensile Strength, Yield	600 MPa @Strain 0.200 %	87000 psi @Strain 0.200 %	as cast
	600 MPa @Strain 0.200 %	87000 psi @Strain 0.200 %	hardened
Elongation at Break	15 %	15 %	as cast
	15 %	15 %	hardened
Modulus of Elasticity	98.0 GPa	14200 ksi	

Component Elements Properties	Metric	English	Comments
Copper, Cu	12.2 %	12.2 %	
Gold, Au	71 %	71 %	
Iridium, Ir	0.10 %	0.10 %	
Palladium, Pd	1.5 %	1.5 %	
Platinum, Pt	2.5 %	2.5 %	
Silver, Ag	12.2 %	12.2 %	
Zinc, Zn	0.50 %	0.50 %	

Processing Properties	Metric	English	Comments
-----------------------	--------	---------	----------

Processing Temperature Processing Properties	699 °C Metric	1290 °F English	Preheating Temp. Comments
Melt Temperature	888 - 932 °C	1630 - 1710 °F	
Casting Temperature	1080 °C	1980 °F	

Descriptive Properties	Value	Comments
Color	yellow	

## 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