

Wieland Auropal 2 Casting Alloy

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

Material Notes:

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

Order this product through the following link:

http://www.lookpolymers.com/polymer_Wieland-Auropal-2-Casting-Alloy.php

Physical Properties	Metric	English	Comments
Density	13.8 g/cc	0.499 lb/in ³	

Mechanical Properties	Metric	English	Comments
Hardness, Vickers	270	270	HV5/30; as cast
	280	280	HV5/30; hardened
Tensile Strength, Yield	320.00 MPa @Strain 0.200 %	46412 psi @Strain 0.200 %	as cast
	660.00 MPa @Strain 0.200 %	95725 psi @Strain 0.200 %	hardened
Elongation at Break	8.0 %	8.0 %	hardened
	35 %	35 %	as cast
Modulus of Elasticity	104 GPa	15100 ksi	

Component Elements Properties	Metric	English	Comments
Copper, Cu	11.5 %	11.5 %	
Gold, Au	55 %	55 %	
Iridium, Ir	0.10 %	0.10 %	
Palladium, Pd	7.9 %	7.9 %	
Silver, Ag	25 %	25 %	
Zinc, Zn	0.50 %	0.50 %	

Processing Properties	Metric	English	Comments
Processing Temperature	699 °C	1290 °F	Preheating Temp.

Melt Temperature Processing Properties	899 - 960 °C Metric	1650 - 1760 °F English	Comments
Casting Temperature	1110 °C	2030 °F	

Descriptive Properties	Value	Comments
Color	yellow	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

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