

Wieland Eco E4 Casting Alloy

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

Material Notes:

Silver-palladium casting alloy Applications: crowns, short span bridges, long span bridgesDental

Order this product through the following link:

http://www.lookpolymers.com/polymer_Wieland-Eco-E4-Casting-Alloy.php

Physical Properties	Metric	English	Comments
Density	10.9 g/cc	0.394 lb/in ³	

Mechanical Properties	Metric	English	Comments
Hardness, Vickers	130	130	HV5/30; as cast
	130	130	HV5/30; hardened
Tensile Strength, Yield	260 MPa @Strain 0.200 %	37700 psi @Strain 0.200 %	as cast
	260 MPa @Strain 0.200 %	37700 psi @Strain 0.200 %	hardened
Elongation at Break	9.0 %	9.0 %	as cast
	9.0 %	9.0 %	hardened
Modulus of Elasticity	96.0 GPa	13900 ksi	

Component Elements Properties	Metric	English	Comments
Copper, Cu	4.0 %	4.0 %	
Gold, Au	5.0 %	5.0 %	
Palladium, Pd	25 %	25 %	
Silver, Ag	63.5 %	63.5 %	
Zinc, Zn	2.5 %	2.5 %	

Processing Properties	Metric	English	Comments
Processing Temperature	699 °C	1290 °F	Preheating Temp.
Melt Temperature	999 - 1060 °C	1830 - 1940 °F	
Casting Temperature	1210 °C	2210 °F	

Descriptive Properties	Value	Comments
Color	white	

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