

## Wieland Porta PressOver PFM Alloy

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

### Material Notes:

High gold alloy for veneering with IMAGINE® h.e. press ceramic  
Applications: inlays/onlays, crowns, short span bridges, telescopic and milling works, acrylic veneering  
Dental

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Wieland-Porta-PressOver-PFM-Alloy.php](http://www.lookpolymers.com/polymer_Wieland-Porta-PressOver-PFM-Alloy.php)

Physical Properties	Metric	English	Comments
Density	14.9 g/cc	0.538 lb/in <sup>3</sup>	

Mechanical Properties	Metric	English	Comments
Hardness, Vickers	130	130	HV5/30; after porcelain firing
	190	190	HV5/30; hardened
Tensile Strength, Yield	280.0 MPa	40610 psi	after porcelain firing
	@Strain 0.200 %	@Strain 0.200 %	
	410.00 MPa	59465 psi	hardened
	@Strain 0.200 %	@Strain 0.200 %	
Elongation at Break	16 %	16 %	hardened
	22 %	22 %	after porcelain firing
Modulus of Elasticity	101 GPa	14600 ksi	

Thermal Properties	Metric	English	Comments
CTE, linear	15.7 µm/m-°C	8.72 µin/in-°F	
	@Temperature 25.0 - 500 °C	@Temperature 77.0 - 932 °F	

Component Elements Properties	Metric	English	Comments
Gold, Au	63 %	63 %	
Indium, In	0.50 %	0.50 %	
Iridium, Ir	0.10 %	0.10 %	
Palladium, Pd	13.4 %	13.4 %	
Silver, Ag	21.1 %	21.1 %	

Component Elements Properties	Metric	English	Comments
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Processing Properties	Metric	English	Comments
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Processing Temperature	799 °C	1470 °F	Preheating Temp.
Melt Temperature	1080 - 1180 °C	1980 - 2160 °F	
Casting Temperature	1320 °C	2410 °F	

Descriptive Properties	Value	Comments
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Color	pale yellow	
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## Contact Songhan Plastic Technology Co.,Ltd.

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