

Wieland 1945 Wilaform Platinum

Category : Metal , Nonferrous Metal , Precious Metal , Platinum Alloy

Material Notes:

Platinum alloy for universal use.Applications: chains, coin/shape, laminar decoration, pipes, tubingDental

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http://www.lookpolymers.com/polymer_Wieland-1945-Wilaform-Platinum.php

Physical Properties	Metric	English	Comments
Density	20.3 g/cc	0.733 lb/in ³	

Mechanical Properties	Metric	English	Comments
Hardness, Vickers	110	110	HV5; glowd
Tensile Strength, Ultimate	320 MPa	46400 psi	
Elongation at Break	25 %	25 %	

Thermal Properties	Metric	English	Comments
Melting Point	1730 - 1750 °C	3150 - 3180 °F	
Solidus	1730 °C	3150 °F	
Liquidus	1750 °C	3180 °F	

Component Elements Properties	Metric	English	Comments
Copper, Cu	4.0 %	4.0 %	
Platinum, Pt	96 %	96 %	

Processing Properties	Metric	English	Comments
Processing Temperature	1000 °C	1832 °F	Cuvette Temp
Casting Temperature	1850 - 1950 °C	3360 - 3540 °F	

Descriptive Properties	Value	Comments
Color	platinum-white	

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