

Johnson Matthey HC Platinum w/ 5% Cobalt Jewelry Alloy

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

Material Notes:

Fluid for hard castings. Cobalt has been used to create casting alloys at various levels of fineness. Cobalt suppresses oxygen level in the melt, improves fluidity and castability and gives a good final hardness without reducing the melting range significantly.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Johnson-Matthey-HC-Platinum-w-5-Cobalt-Jewelry-Alloy.php

Physical Properties	Metric	English	Comments
Density	20.8 g/cc	0.751 lb/in ³	

Mechanical Properties	Metric	English	Comments
Hardness, Vickers	135	135	Annealed
Elongation at Break	20 %	20 %	Annealed

Thermal Properties	Metric	English	Comments
Melting Point	1750 - 1765 Â°C	3180 - 3209 Â°F	
Solidus	1750 Â°C	3180 Â°F	
Liquidus	1765 Â°C	3209 Â°F	

Component Elements Properties	Metric	English	Comments
Cobalt, Co	5.0 %	5.0 %	
Platinum, Pt	95 %	95 %	

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