

Johnson Matthey SW 900 Platinum w/ 10% Iridium Jewelry Alloy

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

Material Notes:

Safety catches, pins. Copper, cobalt, gold, iridium, palladium and ruthenium alloy easily with platinum. The differences between the alloys reflect the hardening of the alloying element itself.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Johnson-Matthey-SW-900-Platinum-w-10-Iridium-Jewelry-Alloy.php

Physical Properties	Metric	English	Comments
Density	21.5 g/cc	0.777 lb/in ³	

Mechanical Properties	Metric	English	Comments
Hardness, Vickers	110	110	Annealed
Elongation at Break	25 %	25 %	Annealed

Thermal Properties	Metric	English	Comments
Melting Point	1780 - 1800 Â°C	3240 - 3270 Â°F	
Solidus	1780 Â°C	3240 Â°F	
Liquidus	1800 Â°C	3270 Â°F	

Component Elements Properties	Metric	English	Comments
Iridium, Ir	10 %	10 %	
Platinum, Pt	90 %	90 %	

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