

## Johnson Matthey SW 850 Platinum w/ 15% Iridium Jewelry Alloy

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

### Material Notes:

Springs, watch backs. 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-850-Platinum-w-15-Iridium-Jewelry-Alloy.php](http://www.lookpolymers.com/polymer_Johnson-Matthey-SW-850-Platinum-w-15-Iridium-Jewelry-Alloy.php)

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

Mechanical Properties	Metric	English	Comments
Hardness, Vickers	160	160	Annealed
Elongation at Break	15 %	15 %	Annealed

Thermal Properties	Metric	English	Comments
Melting Point	1800 - 1820 Â°C	3270 - 3310 Â°F	
Solidus	1800 Â°C	3270 Â°F	
Liquidus	1820 Â°C	3310 Â°F	

Component Elements Properties	Metric	English	Comments
Iridium, Ir	15 %	15 %	
Platinum, Pt	85 %	85 %	

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