

## Johnson Matthey HM Platinum w/ 5% Ruthenium Jewelry Alloy

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

### Material Notes:

General purpose, good matching properties. 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-HM-Platinum-w-5-Ruthenium-Jewelry-Alloy.php](http://www.lookpolymers.com/polymer_Johnson-Matthey-HM-Platinum-w-5-Ruthenium-Jewelry-Alloy.php)

Physical Properties	Metric	English	Comments
Density	20.7 g/cc	0.748 lb/in <sup>3</sup>	

Mechanical Properties	Metric	English	Comments
Hardness, Vickers	130	130	Annealed
Elongation at Break	32 %	32 %	Annealed

Thermal Properties	Metric	English	Comments
Melting Point	1780 - 1795 Â°C	3240 - 3263 Â°F	
Solidus	1780 Â°C	3240 Â°F	
Liquidus	1795 Â°C	3263 Â°F	

Component Elements Properties	Metric	English	Comments
Platinum, Pt	95 %	95 %	
Ruthenium, Ru	5.0 %	5.0 %	

## Contact Songhan Plastic Technology Co.,Ltd.

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