

JM

# Ignition materials



Johnson Matthey  
Inspiring science, enhancing life

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Our range of single element and alloyed ignition products has been developed by our expert metallurgists in conjunction with industry and academic partners to provide our customers with superior products and a distinct technical advantage.

We supply a range of industries, including automotive and aerospace, which rely upon high quality ignition products. As a leading manufacturer of fabricated platinum group metal products, we have the experience and technical expertise required to offer difficult-to-work metals and alloys in the geometries our customers require; whether that be lengths of wire or pre-cut electrode tips.

In recent years Johnson Matthey has made a significant investment not only into the research and development of new ignition materials but also into novel test methods, process improvements and enhanced quality assurance. This culminated in the development of a new ignition alloy for one of our automotive customers, helping them develop their next generation of products by achieving a 50% increase in material strength.

We also offer a range of flexible consignment and metal management options to give you the products you need, when you need them.

## Typical alloys

- 5-30% Rhodium/Platinum
- 5-30% Iridium/Platinum
- Platinum/Zirconia (ZGS Platinum)
- 10% Rhodium/Platinum/Zirconia
- Silver/Palladium (various available)

## Pure metals

Platinum	Up to 99.998%
Palladium	Up to 99.99%
Iridium	Up to 99.9%
Rhodium	Up to 99.95%
Gold	Up to 99.995%

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