

PGM FOCUS: Rh, Pd, Pt

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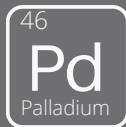
Rhodium, palladium and platinum all form part of the Platinum-Group Metals, and share similar properties. These metals are typically mined as a collective.

PGM Focus: Rhodium, Palladium, Platinum



Some Rhodium Uses

- Catalyst in making nitric acid, acetic acid and hydrogenation reactions
- Used in catalytic converters used to clean vehicle emissions
- Coating of optic fibres and thermocouple elements
- Electrical contact material



Some Palladium Uses

- Used in jewelry applications - the silvery metal gives white gold its colour
- Crucial component of fuel cells and catalytic converters for petrol engines
- Used to store and filter hydrogen



Some Platinum Uses

- Jewelry applications
- Medical and biomedical applications, including chemotherapy drugs
- Catalytic converters for diesel engines
- Electrical contact material
- Electronics industry applications for computer hard drives



Some Rhodium Facts

- RSA PGM producers extract approximately 10% rhodium (mining.com)
- Rhodium is mostly used as an alloy
- Rhodium-platinum alloys are used in pacemakers



Some Palladium Facts

- RSA PGM producers extract approximately 30% palladium (mining.com)
- Palladium can absorb up to 900 times its volume of hydrogen



Some Platinum Facts

- RSA PGM producers extract approximately 60% platinum (mining.com)
- A cylinder of platinum and platinum-alloy is used as the international standard for measuring a kilogram

Rhodium, Palladium and Platinum are typically not mined in isolation.

Unearth the opportunities by partnering with VBKOM.

Sources:

<https://www.livescience.com/36988-rhodium.html>

<https://www.livescience.com/36991-palladium.html>

<https://www.livescience.com/39144-platinum.html>

