PLATINUM
POWDER

QUICK FACTS

Product: Platinum Powder
Stock No: NS6130-12-000824
CAS: 7440-06-4
Color: Black/gray
Form: Powder

Platinum is a lustrous silvery-white, malleable and ductile metal. It is a member of group 10 of the periodic table of the elements. It has the third-highest density element. Platinum is unaffected by air and water. However, it will dissolve in different ways such as hot aqua regia, in hot concentrated phosphoric and sulphuric acids, and in molten alkali. It is utilized as resistant as gold to corrosion and tarnishing. Indeed, platinum will not oxidize in air. Platinum has a coefficient of expansion almost equal to the soda-lime-silica glass. Therefore, it is employed to make sealed electrodes in glass systems. In the presence of platinum wire, hydrogen and oxygen gas mixtures explode. Platinum has many applications such as its wear- and tarnish-resistance characteristics are well-suited for making fine jewelry.

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**Additional Powder Characteristics**

<table>
<thead>
<tr>
<th>Stock No.</th>
<th>Purity</th>
<th>APS</th>
</tr>
</thead>
<tbody>
<tr>
<td>NS6130-12-000824</td>
<td>&gt;99.9%</td>
<td>40-60μm</td>
</tr>
</tbody>
</table>

**Technical Specification**

<table>
<thead>
<tr>
<th>Molecular Formula</th>
<th>Molecular Weight</th>
<th>Density</th>
<th>Melting Point</th>
<th>Boiling Point</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pt</td>
<td>195.08 g/mol</td>
<td>21.45 g/cm³</td>
<td>1772 °C</td>
<td>3827 °C</td>
</tr>
</tbody>
</table>

**Properties**

- Chemical Formula: Pt
- CAS No.: 7440-06-4

**Chemical Composition**

<table>
<thead>
<tr>
<th>Product</th>
<th>Weight Percent (nominal)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Platinum Powder</td>
<td>99.9 %</td>
</tr>
<tr>
<td>Other Metal</td>
<td>800ppm</td>
</tr>
</tbody>
</table>

**Ordering Information and Stock Availability**

- Product: Platinum Powder
- Distribution: Global
- Stock Availability: Available
- Packing Sizes: 25Gms, 50Gms, 100Gms, 500Gms & Bulk Orders

**Handling Recommendations**

- Store in the original container in a dry location.
- Tumble contents prior to use to prevent segregation.
- Open containers should be stored in a drying oven to prevent moisture pickup.

**Safety Recommendations**

Download MSDS/SDS NS6130-12-000824 are available from the Nanoshel Website at https://www.nanoshel.com/product/platinum-powder

www.nanoshel.com | sales@nanoshel.com
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