COBALT POWDER

QUICK FACTS

- Product: Cobalt Powder
- Stock No: NS6130-05-519
- CAS: 7440-48-4
- Color: Black
- Form: Powder

Cobalt is a brittle, hard metal, resembling iron and nickel in appearance. It exhibits magnetic permeability. Cobalt is often alloyed with other metals because of its unusual magnetic strength. It is also utilized in electroplating due to its appearance, hardness and resistance to oxidation. This versatile metal is frequently utilized in traditional areas, such as superalloys. It has also greater utilization in some newer applications, such as in rechargeable batteries. Several cobalt compounds are employed in chemical reactions as catalysts.

The temperature stability of cobalt alloys makes them worthy for use in turbine blades for gas turbines and jet aircraft engines. Cobalt-based alloys exhibits properties such as corrosion and wear-resistant. This powder is utilized in lithium ion-batteries. It is also applied in glass, ceramics, inks, paints and varnishes. It is also utilized as electroplating for its attractive appearance.

APPROXIMATELY

- Paints
- Glass
- Lithium-ion batteries
- Alloys
- Medical tests

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9779238252
Additional Powder Characteristics

<table>
<thead>
<tr>
<th>Stock No.</th>
<th>Purity</th>
<th>APS</th>
</tr>
</thead>
<tbody>
<tr>
<td>NS6130-05-519</td>
<td>99%</td>
<td>40-50μm</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>Co</td>
<td>58.93 g/mol</td>
<td>8.9 g/cm³</td>
<td>1495 °C</td>
<td>2870 °C</td>
</tr>
</tbody>
</table>

Properties

✓ Chemical Symbol: Co
✓ CAS No.: 7440-48-4

Chemical Composition

<table>
<thead>
<tr>
<th>Product</th>
<th>Weight Percent (nominal)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cobalt Powder</td>
<td>99 %</td>
</tr>
</tbody>
</table>

Ordering Information and Stock Availability

✓ Product: Cobalt 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 NS6130-05-519
SDS are available from the Nanoshel Website at https://www.nanoshel.com/product/cobalt-powder

https://www.nanoshel.com | sales@nanoshel.com