NICKEL POWDER

QUICK FACTS

Product: Nickel Powder
Stock No: NS6130-05-551
CAS: 7440-02-0
Color: Gray to Black
Form: Powder

Nickel is silvery-white, hard, malleable, and ductile metal. It is of the iron group and it is a fairly good conductor of heat and electricity. In its familiar compounds nickel is bivalent, although it assumes other valences and it also forms a number of complex compounds. Mostly nickel compounds exhibit blue or green. It slowly dissolves in dilute acids however, like iron, becomes passive when treated with nitric acid. The nickel uses in the preparation of alloys. Nickel alloys are characterized by ductility, strength, and resistance to corrosion and heat. Nickel is easy to work and can be converted into wire. It resists corrosion even at high temperatures due to this it is utilized in gas turbines and rocket engines. Monel is an alloy of nickel and copper which is not only hard however can resist corrosion by sea water, so that it is ideal for propeller shaft in boats and desalination plants. Nickel is also utilized in electrically resistive, magnetic and different types of alloys for example, nickel silver.

APPLIEDS

✓ Batteries
✓ Coins
✓ Coatings
✓ Medical Equipments
✓ Propeller Shaft In Boats
✓ Desalination Plants

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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>NS6130-05-551</td>
<td>&gt;99.9%</td>
<td>60-70 μm</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>Ni</td>
<td>58.69 g/mol</td>
<td>8.9 g/cm³</td>
<td>1455 °C</td>
<td>2730 °C</td>
</tr>
</tbody>
</table>

**Properties**

- Chemical Symbol: Ni
- CAS No.: 7440-31-5

**Chemical Composition**

<table>
<thead>
<tr>
<th>Product</th>
<th>Weight Percent (nominal)</th>
<th>Other Metal</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nickel Powder</td>
<td>&gt;99.9 %</td>
<td>900ppm</td>
</tr>
</tbody>
</table>

**Ordering Information and Stock Availability**

- Product: Nickel 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 NS6130-05-551 are available from the Nanoshel Website at https://www.nanoshel.com/product/nickel-powder

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Facebook /nanoshel
www.nanoshel.com | sales@nanoshel.com
Tel: +91 9779550077, 9779238252

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