MOLYBDENUM
POWDER

QUICK FACTS

Product : Molybdenum Powder
Stock No : NS6130-10-1167
CAS : 7439-98-7
Color : Grey
Form : Powder

Molybdenum metal is a silvery white, very hard transition metal; however, it is softer and more ductile than tungsten. Molybdenum exhibits the highest melting points of all pure elements. Molybdenum is attacked slowly by acids. Molybdenum is a valuable alloying agent, as it provides to the hardenability and toughness of quenched and tempered steels. It also enhances the strength of steel at high temperatures. Molybdenum is utilized in alloys, electrodes, and catalysts. Molybdenum is employed in certain nickel-based alloys, such as the &quot;Hastelloy (R)&quot; which are heat-resistant and corrosion-resistant to chemical solutions. It easily oxidizes at elevated temperatures. This metal has found recent applications as electrodes for electrically heated glass furnaces and foreheaths. The metal is also applied in nuclear energy applications. It is also employed for missile and aircraft parts.

APPLICAtIONS

✓ Glass Furnace Electrodes
✓ Petroleum Industry
✓ Catalysis
✓ Alloys
✓ Lubricant Additive
✓ Petroleum Industry
✓ Inks For Circuit Boards
✓ Pigments And Electrodes

ISO 9001:2015 CERTIFIED COMPANY

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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>NS6130-10-1167</td>
<td>99%</td>
<td>30-40μm</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>Mo</td>
<td>95.95 g/mol</td>
<td>10.28 g/cm³</td>
<td>2896 °C</td>
<td>4612 °C</td>
</tr>
</tbody>
</table>

Properties

✓ Chemical Symbol: Mo
✓ CAS No.: 7439-98-7

Chemical Composition

<table>
<thead>
<tr>
<th>Product</th>
<th>Weight Percent (nominal)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Molybdenum Powder</td>
<td>Mo 99 % Other Metal 8500ppm</td>
</tr>
</tbody>
</table>

Ordering Information and Stock Availability

✓ Product: Molybdenum 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 NS6130-10-1167 are available from the Nanoshel Website at https://www.nanoshel.com/product/molybdenum-powder

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