TUNGSTEN MICROPowDER

QUICK FACTS

Product: Tungsten Micropowder
Stock No: NS6130-05-595
CAS: 7440-33-7
Color: Silvery
Form: Powder

Tungsten is a lustrous and silvery white metal. It has the highest melting point than any other metal. Mainly tungsten is employed in filaments in incandescent light bulbs; it is also utilized in electric contacts and arc-welding electrodes. Moreover, Tungsten is applied in alloys, for instance steel, to which it imparts great strength. Cement carbide is the most indispensable use for tungsten: its main component is tungsten carbide (WC). Tungsten exhibits the strength to our cast iron and it manufactures remarkable cutting tools for the machining of steel. X-ray tubes for medical utilize have a tungsten emitter coil and the screen employed to view X-rays rely on calcium and magnesium tungstate phosphors to convert X-rays into blue visible light. Tungsten is also utilized in microchip technology and liquid crystals displays.

APPLICATIONS

- Electrodes
- Heating Elements And Field Emitters
- As Filaments In Light Bulbs And Cathode Ray Tubes
- Heavy Metal Alloys Such As High Speed Steel Cutting Tools Wear-resistant Coatings

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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>NS6130-05-595</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>W</td>
<td>183.85g/mol</td>
<td>19.3 g/cm³</td>
<td>3410 °C</td>
<td>5900 °C</td>
</tr>
</tbody>
</table>

Properties

- Chemical Symbol: W
- CAS No.: 7440-33-7

Chemical Composition

<table>
<thead>
<tr>
<th>Product</th>
<th>Weight Percent (nominal)</th>
<th>Other Metal</th>
</tr>
</thead>
<tbody>
<tr>
<td>W</td>
<td>99 %</td>
<td>9000ppm</td>
</tr>
</tbody>
</table>

Ordering Information and Stock Availability

- Product: Tungsten Micropowder
- 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 NS6130-05-595 are available from the Nanoshel Website at https://www.nanoshel.com/product/tungsten-micropowder

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