INDIUM

POWDER

QUICK

FACTS

Product : Indium Powder
Stock No : NS6130-12-000755
CAS : 7440-74-6
Color : Silvery/Black
Form : Powder

Indium is a soft, malleable, ductile, and lustrous metallic metal. It has a face-centered tetragonal structure and it is in silvery white. It is available in liquid form over a wide range of temperatures, like gallium. Indium belongs to the same group of gallium. Both indium and gallium are able to wet glass and it is stable in air and in water. However, it dissolves in acids. It ignites burning with a violet flame when it is heated above its melting point. Indium is utilized in low-melting fusible alloys. It is also utilized as a protective plate for bearings and other metal surfaces. It can be applied to produce a corrosion-resistant mirror surface. It can be utilized on the mirror surface: when evaporated and allowed to deposit on the glass it fabricates a mirror as good a quality as that of silver. Indium foils are employed to assess what is going on inside nuclear reactors. Finally, it is employed as a light filter in low-pressure sodium vapor lamps.

APLICATIONS

✓ Transistors
✓ Rectifiers
✓ Thermistors And Photoconductors
✓ Mirrors
✓ Used To Make Low Melting Alloys

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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>NS6130-12-000755</td>
<td>99.9%</td>
<td>-325mesh</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>In</td>
<td>114.82 g/mol</td>
<td>7.3 g/cm³</td>
<td>156.6 °C</td>
<td>2080 °C</td>
</tr>
</tbody>
</table>

Properties

- Chemical Formula: In
- CAS No.: 7440-74-6

Chemical Composition

<table>
<thead>
<tr>
<th>Product</th>
<th>Weight Percent (nominal)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>Indium Powder</td>
<td>99.9%</td>
</tr>
<tr>
<td>Other Metal</td>
<td>950ppm</td>
</tr>
</tbody>
</table>

Ordering Information and Stock Availability

- Product: Indium 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 NS6130-12-000755 are available from the Nanoshel Website at https://www.nanoshel.com/product/indium-powder

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