BISMUTH POWDER

QUICK FACTS

Product: Bismuth Powder
Stock No: NS6130-05-560
CAS: 7440-69-9
Color: Light Grey
Form: Powder

Bismuth is a white, brittle metal and also with a pinkish tinge. It is diamagnetic in nature of all metals, and its thermal conductivity is lower than any metal except mercury. It exhibits high electrical resistance and has the highest Hall Effect of any metal. Bismuth is stable to oxygen and water however dissolves in concentrated nitric air. All bismuth salts are insoluble in water. Bismuth is thus a useful component of type-metal alloys, which create neat, clean castings.

Bismuth metal is utilized in the manufacture of low melting solders and fusible alloys. It also shows low toxicity bird shot and fishing sinkers. Certain bismuth compounds are utilized in pharmaceuticals. It is also utilized in industries and in the industry makes use of bismuth compounds as catalysts in manufacturing acrylonitrile. Acrylonitrile is the starting material for synthetic fibers and rubbers. Moreover, it is sometimes employed in the production of shot and shotguns.

APPLIED

✓ Catalysts
✓ Solders And Fusible Alloys
✓ Acrylic Fibers
✓ Paints
✓ Plastics
✓ Fibers
✓ Rubbers

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ISO 9001:2015
CERTIFIED COMPANY
Additional Powder Characteristics

<table>
<thead>
<tr>
<th>Stock No.</th>
<th>Purity</th>
<th>APS</th>
</tr>
</thead>
<tbody>
<tr>
<td>NS6130-05-560</td>
<td>99.9%</td>
<td>10μm</td>
</tr>
</tbody>
</table>

Technical Specification

<table>
<thead>
<tr>
<th>Molecular Formula</th>
<th>Molecular Weight</th>
<th>Melting Point</th>
<th>Boiling Point</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bi</td>
<td>208.98 g/mol</td>
<td>271.5 °C</td>
<td>1564 °C</td>
</tr>
</tbody>
</table>

Properties

- Chemical Symbol: Bi
- CAS No.: 7440-69-9

Chemical Composition

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

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Ordering Information and Stock Availability

- Product: Bismuth 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 NS6130-05-560 are available from the Nanoshel Website at https://www.nanoshel.com/product/bismuth-powder