Ferrovanadium is an alloy that is produced by combining iron and vanadium. These alloys are stable against alkalis as well as sulphuric and hydrochloric acids. With the addition of this in steel, the product becomes less susceptible to corrosion. It is also utilized to reduce weight while simultaneously surging the tensile strength of the material. Ferrovanadium powder is a universal hardener, strengthenier and anti-corrosive additive for steels like high-strength low-alloy (HSLA) steel, tool steels as well as other ferrous-based products. It is also utilized in the automobile industry. In addition to adding to the composition of the steel, ferrovanadium can also be employed as a coating on the steel. The abrasion resistance of steel increases, when coated with nitrated ferrovanadium. Ferrovanadium is used as an additive to enhance the qualities of ferrous alloys.

- Automobile industry
- Employed as a coating on the steel
- As an additive to enhance the qualities of ferrous alloys.

Product: Ferro Vanadium Powder
Stock No: NS6130-12-001271
CAS: 12604-58-9
Color: Gray
Form: Powder

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9779238252
Additional Powder Characteristics

<table>
<thead>
<tr>
<th>Stock No.</th>
<th>Purity</th>
<th>APS</th>
</tr>
</thead>
<tbody>
<tr>
<td>NS6130-12-001271</td>
<td>99.9%</td>
<td>200mesh</td>
</tr>
</tbody>
</table>

Technical Specification

<table>
<thead>
<tr>
<th>Molecular Formula</th>
<th>Molecular Weight</th>
<th>Melting Point</th>
</tr>
</thead>
<tbody>
<tr>
<td>FeV</td>
<td>106.7 g/mol</td>
<td>1504-1605 °C</td>
</tr>
</tbody>
</table>

Properties

- Chemical Formula: CH₄N₂O
- CAS No.: 57-13-6

Chemical Composition

<table>
<thead>
<tr>
<th>Product</th>
<th>Weight Percent (nominal)</th>
<th>Other Metal</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ferro Vanadium Powder</td>
<td>99.9 %</td>
<td>900ppm</td>
</tr>
</tbody>
</table>

Ordering Information and Stock Availability

- Product: Ferro Vanadium 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 NS6130-12-001271
- Are available from the Nanoshel Website at https://www.nanoshel.com/product/ferro-vanadium-powder

www.nanoshel.com | sales@nanoshel.com
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