NON-MAGNETIC
STAINLESS STEEL POWDER

QUICK FACTS

Product: Non-Magnetic Stainless Steel Powder
Stock No: NS6130-05-564
CAS: 12597-68-1
Color: Grey
Form: Powder

Non-magnetic stainless steel has different corrosion properties which involves being non-corrosive, rust-resistant steel. Stainless steel, like steel itself, is an alloy. An alloy always comprises of various materials. Among the most frequent alloying elements in non-corrosive stainless steel is chrome, where molybdenum, nickel, and further elements are used for special requirements. Non-magnetic stainless steel with chromium content as well as various other elements in smaller quantities, is supposed to be stainless. Non-magnetic stainless steel is utilized in building materials because of its strength, resistance, and flexibility. Its application has become a vital element of the building trade. Non-magnetic stainless steel commonly characteristics in the interior on countertops, backsplashes, and handrails, and is also employed externally in cladding for high impact buildings.

APLICATIONS

✓ Medical equipment
✓ Frames of airplanes
✓ Jet engines
✓ Surgical implants
✓ Shipping containers,
✓ road tankers
✓ Exhaust systems,
✓ grills

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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>NS6130-05-564</td>
<td>&gt;99.9%</td>
<td>60-70µm</td>
</tr>
</tbody>
</table>

### Technical Specification

<table>
<thead>
<tr>
<th>Density</th>
<th>Molecular Point</th>
<th>Thermal conductivity</th>
</tr>
</thead>
<tbody>
<tr>
<td>8.00 g/cm³</td>
<td>1370-1400 °C</td>
<td>16.3(W/m.K) at 100 °C</td>
</tr>
</tbody>
</table>

### Properties

- CAS No.: 12597-68-1

### Chemical Composition

<table>
<thead>
<tr>
<th>Product</th>
<th>Weight Percent (nominal)</th>
<th>Other Metal</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sulphur Powder Red Ar Grade</td>
<td>&gt;99.9%</td>
<td>950ppm</td>
</tr>
</tbody>
</table>

### Ordering Information and Stock Availability

- Product: Non-Magnetic Stainless Steel Powder
- Distribution: Global
- Packing Sizes: 25Gms, 50Gms, 100Gms, 500Gms & Bulk Orders
- Stock Availability: Available

### 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 NS6130-05-564 are available from the Nanoshel Website at https://www.nanoshel.com/product/stainless-steel-powder

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