Silver Copper alloys are some of the most versatile engineering materials available. The combination of physical properties such as strength, conductivity, corrosion resistance, machinability and ductility make Copper suitable for a wide range of applications. These properties can be further enhanced with variations in composition and manufacturing methods.

**Quick Facts**

- **Product**: Silver Copper Alloy Nanoparticles
- **Stock No**: NS6130-07-710
- **CAS**: 7440-22-4 / 7440-50-8
- **Color**: Gray to Black/Brown
- **Form**: Powder

**Chemical Composition**

<table>
<thead>
<tr>
<th>Molecular Formula</th>
<th>Density</th>
<th>SSA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ag:Cu</td>
<td>0.5-0.7 g/cm³</td>
<td>0.3-0.5 m²/g</td>
</tr>
</tbody>
</table>

**Technical Specification**

- **Assay**: 99.9%
- **Ag**: 10 %
- **Cu**: 90%
- **Other Metal**: <0.1 %
Applications

✔ Roofing
✔ Cladding
✔ Rainwater systems
✔ Heating systems

✔ Water pipes and fittings
✔ Oil and gas lines
✔ Electrical wiring

Additional Powder Characteristics

<table>
<thead>
<tr>
<th>Stock No.</th>
<th>Purity</th>
<th>APS</th>
</tr>
</thead>
<tbody>
<tr>
<td>NS6130-07-710</td>
<td>99.9%</td>
<td>&lt;100nm</td>
</tr>
</tbody>
</table>

Ordering Information and Stock Availability

✔ Product: Silver Copper Alloy Nanoparticles
✔ Stock Availability: Available
✔ Distribution: Global
✔ 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 NS6130-07-710
SDS is available from the Nanoshel Website at https://www.nanoshel.com/sections/alloy-nano-powders