

# COPPER

## Silicide Powder

Copper silicide ( $\text{Cu}_5\text{Si}$ ), also called pentacopper silicide, is a binary compound of silicon with copper. It is an intermetallic compound, meaning that it has properties intermediate between an ionic compound and an alloy. This solid crystalline material is a silvery solid that is insoluble in water. It forms upon heating mixtures of copper and silicon.



### Quick Facts

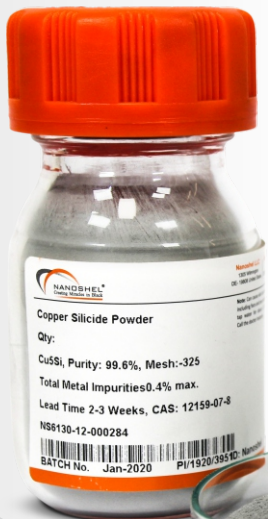
Product	: Copper Silicide Powder
Stock No	: NS6130-12-000284
CAS	: 12159-07-8
Form	: Powder
Formula	: $\text{Cu}_5\text{Si}$

### TECHNICAL Specification

APS	: <200 $\mu\text{m}$
Purity	: 99.9%
Molecular Weight	: 345.81g/mol
Density	: 7.7g/cm <sup>3</sup>
Melting Point	: 825°C

### APPLICATIONS

Aluminium, bronze, copper, iron & steels, Brake linings, Chemicals, Diamond tools, Explosives, Foundry fluxes, Iron & Steels, Ordnance, Organo metallic compounds, Pyrotechnics, Refractories, Semi-conductor, Silicon carbide, Soldering & Joining, Steel refining as deoxidizer applications etc.



**APS**  
<200 $\mu\text{m}$

**PURITY**  
99.9%



### Packing Sizes:

25Gms, 50Gms, 100Gms, 500Gms & Bulk Orders



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