



ATASAN Ferroalloys

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Copper Powder (Cu)

Copper Powder is a high-purity metallic powder produced mainly through electrolytic deposition or inert gas/water atomization. It is widely used in powder metallurgy, electronics, friction materials, diamond tools, and conductive applications due to its superior electrical and thermal conductivity.



1. Typical Chemical Composition (%)

Products	Cu (min.)	Fe	Pb	O	S	Other impurities
Electrolytic	99.5	≤ 0.10	≤ 0.05	≤ 0.30	≤ 0.02	≤ 0.20
Atomized	99.7	≤ 0.08	≤ 0.03	≤ 0.25	≤ 0.015	≤ 0.15
High Purity	99.9	≤ 0.05	≤ 0.01	≤ 0.15	≤ 0.010	≤ 0.08

2. Typical Particle Size

- **Standard:** -100 mesh, -200 mesh, -325 mesh
- **Other sizes:** (0-45 μm , 45-150 μm , 75-150 μm) available upon request

3. Typical Properties

- **Apparent Density:** 1.5 - 4.5 g/cm³ (grade dependent)
- **Morphology:** Dendritic (Electrolytic) / Irregular to Spherical (Atomized)

4. Packing: 25 kg Steel Drums / 500 kg or 1 MT Big Bags with inner liners

- Other sizes and specifications are available upon request.