HALBLEITER MATERIAL

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Technical Data Sheet

Copper Metal Powder

Product ID:	**2900PD001 - 2900PD007**		
Formular:	Cu	**Molecular weight:**	63.54 g/mol
CAS No.:	7440-50-8	**EINECS No.:**	231-159-6
Color:	Reddish-brown		
Description:	Our copper powder is available in both spherical and electrolytic forms, with purities of 99.5% and 99.99%. Customized purities and particle sizes can be provided upon request. Featuring high electrical conductivity and excellent corrosion resistance, it is ideally suited for applications in electronics, powder metallurgy, and thermal management.		
Application:	Electronics, Powder metallurgy, 3D printing, Catalysts, Thermal management, etc.		
Product Image:			

1. Sizes

Product ID	Formular	Particle Size	Shape
2900PD001	Cu (99.5%)	< 1 μm	Spherical
2900PD002	Cu (99.99%)	15-53 μm	Spherical
2900PD003	Cu (99.99%)	45-105 μm	Spherical
2900PD004	Cu (99.5%)	-100 Mesh	Spherical/Irregular
2900PD005	Cu (99.99%)	-100 Mesh	Spherical/Irregular
2900PD006	Cu (99.5%)	-325 Mesh	Spherical/Irregular
2900PD007	Cu (99.99%)	-325 Mesh	Spherical/Irregular
2900PD2N5DZ	Cu (99.5%)	Customized	Spherical/Irregular
2900PD4NDZ	Cu (99.99%)	Customized	Spherical/Irregular

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2. Chemical compositions

	Metal impurities (ppm)						
Element / Typical Value / Purity	Fe	Zn	Pb	Al	Ti	Sn	Cd
99.5%	≤ 500	≤ 50	≤ 10	≤ 20	≤ 50	≤ 50	≤ 10
99.99%	≤ 50	≤ 5	≤ 5	≤ 5	≤ 10	≤ 5	≤ 5

Note: The purity values shown are calculated by subtracting the sum of selected measured elemental impurities from 100%. These values do not represent the result of a full elemental analysis.

3. Packaging

Small batch: bottled/bag, double vacuum packed.
Large batch: 25 kg/bag.

4. Period of Validity

It is recommended to use this product within 12 months. If it is overdue, the product quality status should be re-evaluated.

5. Handling and Storage

When using, wear appropriate protective equipment to prevent dust inhalation, and work in a well-ventilated area.

Store in a dry, sealed, and cool environment to prevent moisture absorption and oxidation.

Contact Us

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