

Technical Data Sheet

Copper(II) Oxide Sputtering Target

Product ID: 290801ST001 - 290801ST004

Formula: CuO

Molecular weight: 79.55 g/mol

CAS No.: 1317-38-0

EINECS No.: 215-269-1

Color: Black

Description: Copper oxide targets offer excellent electrical conductivity, optoelectronic properties, and chemical stability, making them ideal for high-quality thin-film deposition.

Application: Semiconductors, optoelectronic devices, solar cells, functional coatings, etc.

**Product
Image:**



1. Sizes

Product ID	Formula	Size
290801ST001	CuO (99.9%)	Ø 50.8 mm x 6.35 mm
290801ST002	CuO (99.9%)	Ø 76.2 mm x 3.175 mm
290801ST003	CuO (99.9%)	Ø 76.2 mm x 6.35 mm
290801ST004	CuO (99.9%)	Ø 101.6 mm x 3.175 mm
290801STDZ	CuO (99.9%)	Customized

2. Chemical compositions

Element Typical Value Purity	Metal impurities (ppm)							
	Mg	Si	V	Cr	Fe	Ni	Sn	Pb
99.9%	≤ 50	≤ 100	≤ 200	≤ 50	≤ 200	≤ 100	≤ 50	≤ 50

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

Carton/wooden box outer bag.
Double vacuum inner bag.
Custom packaging is available.

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

Handle with appropriate protective equipment in a clean, dry environment to prevent contamination and moisture exposure.

Store in a cool, dry place in a tightly sealed container, protected from moisture and direct sunlight.

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