

ZHONGAN COPPER

Product Handbook

Premium Copper. Built for the Future.

Guixi Zhongan Copper Co., Ltd. | Guixi, Jiangxi, China

High-purity copper materials and custom solutions for global advanced manufacturing. Explore our core product portfolio across advanced copper powders, copper balls, rods, anodes, and copper compounds.

PRODUCT CATEGORIES

01



Active Copper
Oxide Powder

02



Microcrystalline
Phosphor Copper Balls

03



Standard Phosphor
Copper Balls

04



Copper Anode &
Copper Rod

05



Basic Copper Carbonate
& Copper Carbonate

APPLICATIONS



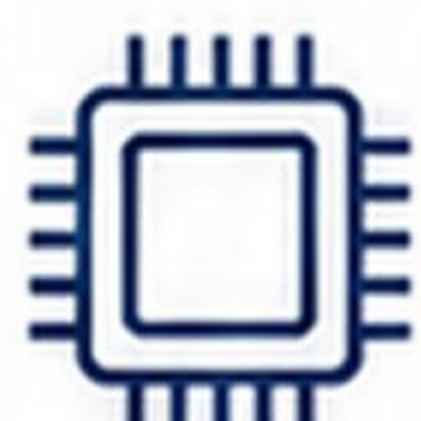
PCB



Lithium Batteries



Catalysts



Semiconductor
Packaging



Photovoltaics



Wire & Cable

WHY ZHONGAN COPPER



Integrated Value Chain

From raw materials to finished products, delivering consistent quality and reliability.



Rigorous Quality Control

Advanced testing and inspection at every stage to ensure exceptional performance.



Global Standards Compliance

Products manufactured to meet RoHS, REACH and international quality standards.



Sustainable Manufacturing

Energy-efficient processes and responsible practices for a greener future.



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Delivering Premium Copper Solutions Worldwide

● *Product Details*

ACTIVE COPPER OXIDE POWDER

Ultra-pure fine CuO powder for advanced electronic and semiconductor applications.

Active Copper Oxide Powder (CuO) is a high-purity, finely processed copper oxide material with excellent chemical stability and reactivity. It is widely used in advanced electronics, semiconductors, and other high-tech industries.



KEY HIGHLIGHTS

01



Ultra-pure composition

CuO content $\geq 99.3\%$ with strict impurity control for superior performance.

02



Fine particle size

Narrow particle size distribution for enhanced surface activity and uniformity.

03



Stable quality

Consistent quality and performance with excellent batch stability.

04



Suitable for advanced processing

Excellent chemical stability and compatibility for advanced processes.

APPLICATIONS



Electronics

(PCB / HDI / CPO / FPC)

Used in electronic components and functional materials.



Semiconductor

Applied in semiconductor manufacturing processes.



Catalysts

Effective catalyst material for various chemical reactions.



Advanced materials

Used in advanced materials and specialty applications.

PACKAGING OPTIONS

(Custom packaging available)



25kg / bag



500kg / jumbo bag



200kg / drum



Zongan Copper is the **only manufacturer** in China equipped with a fully automatic continuous roasting furnace system for copper oxide powder production.



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MICROCRYSTALLINE PHOSPHOR COPPER BALLS

Phosphor copper balls designed for stable performance in precision plating processes.

Microcrystalline phosphor copper balls are developed for stable dissolving behavior and reliable performance in precision electroplating environments. With uniform composition and fine grain structure, they support consistent plating quality and process efficiency.



KEY HIGHLIGHTS



1. Microcrystalline structure

Fine grain structure ensures uniform dissolution and excellent conductivity.



2. Stable performance

Designed for steady dissolving behavior, reducing bath fluctuations.



3. Precision plating suitability

Low impurity content and high purity support superior plating outcomes.



4. Consistent supply quality

Strict quality control and reliable supply ensure production continuity.

APPLICATIONS



Electroplating



PCB



Surface treatment



Precision manufacturing

PACKAGING OPTION



25kg / carton

Premium thickened carton with stretch film wrapping



Product Details

STANDARD PHOSPHOR COPPER BALLS

Consistent-quality phosphor copper balls for reliable everyday electroplating applications.

Standard Phosphor Copper Balls are widely used in electroplating processes where stable quality and dependable performance are essential. Manufactured to strict standards for uniform composition and size, these copper balls deliver consistent results and smooth operation in everyday plating environments.



KEY HIGHLIGHTS

01



Consistent quality

Uniform composition and smooth surface for stable, repeatable performance.

02



Reliable daily use

Designed for routine operations that require dependable and steady results.

03



Good conductivity

High electrical conductivity supports efficient and effective plating processes.

04



Electroplating readiness

Clean and ready-to-use balls minimize downtime and help maintain process consistency.

APPLICATIONS



Electroplating



PCB



General plating lines



Industrial processing

PACKAGING OPTION



25kg / carton

Premium thickened carton with stretch film wrapping



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COPPER ANODE & COPPER ROD

High-purity, low-oxygen copper materials for superior conductivity and industrial processing.

Zhongan Copper's Copper Anode and Copper Rod are high-purity copper materials engineered for excellent electrical conductivity, corrosion resistance, and workability. Widely used in electrorefining, electrical, and industrial applications where reliability and performance matter.



KEY HIGHLIGHTS

01



High purity

Produced with strict refining standards for exceptional copper purity.

02



Low oxygen content

Controlled oxygen levels ensure better conductivity and processing performance.

03



Superior conductivity

Excellent electrical and thermal conductivity for efficient performance in demanding uses.

04



Industrial processing versatility

Ideal for electrorefining, fabrication, and a wide range of industrial applications.

APPLICATIONS



Wire & Cable



Conductive materials

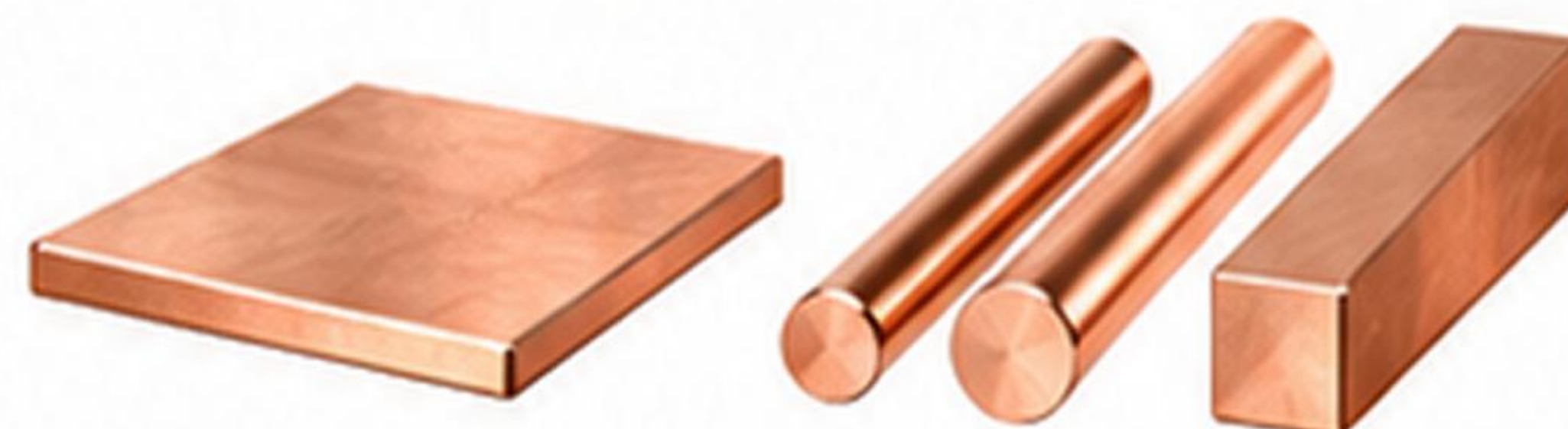


Metal processing



Industrial manufacturing

PRODUCT FORM



Plate, rod, and bar forms



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• Product Details

BASIC COPPER CARBONATE & COPPER CARBONATE

High-purity copper compounds for chemical and industrial processing applications.

Basic Copper Carbonate and Copper Carbonate are high-purity copper compound materials widely used in chemical processing and industrial applications. With consistent quality and stable composition, they are ideal for a variety of formulations and advanced material processes.



KEY HIGHLIGHTS



1. High Purity

Carefully controlled production ensures high purity and low impurity levels.



2. Stable Composition

Consistent chemical composition for reliable performance in diverse processes.



3. Chemical Processing Suitability

Excellent compatibility with chemical systems for a wide range of industrial processes.



4. Industrial Application Value

Supports efficient production and enhances product quality in industrial applications.

APPLICATIONS



Chemical processing



Catalysts



Industrial compounds



Material development



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