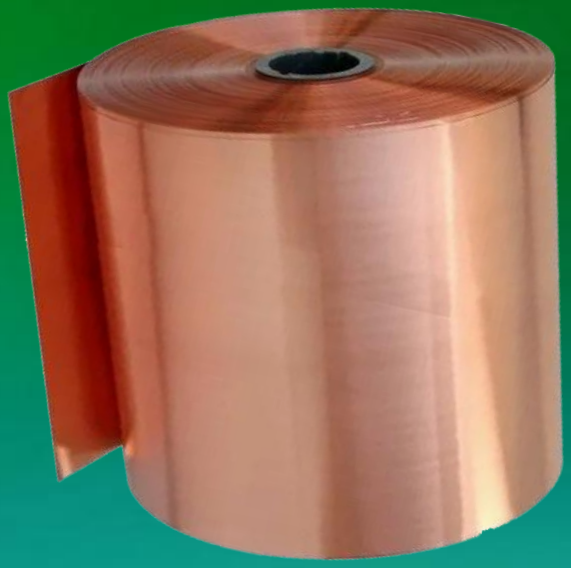
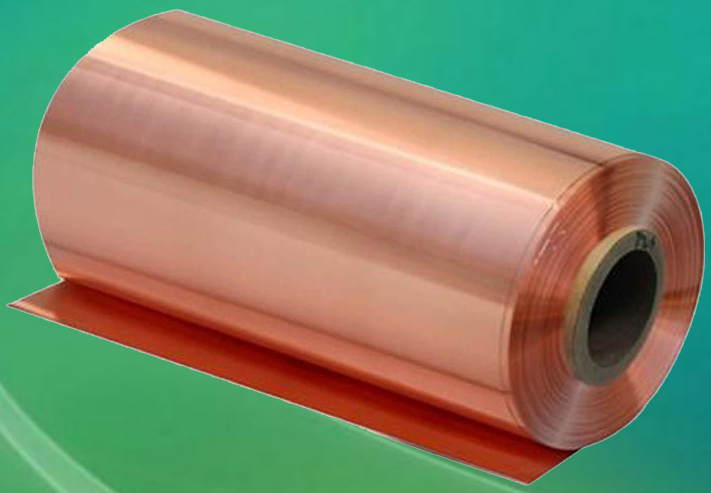
COPPER FOIL





COPPER STRIP

Copper strip is a kind of flat strip made of copper material. Copper strip is usually produced from copper billet or copper alloy material by cold rolling, hot rolling or stretching process.

LNPU
郑州蓝普实业有限公司
ZHENGZHOU LP INDUSTRY CO.,LTD

LP Industry has experienced team for Enameled Wires, advanced technology, excellent equipment, strict management is the foundation of the company continuous development and expansion, and the Enameled Wires win the trust of customers. We believe that through our continuous efforts and pursuit, we will be able to achieve mutual benefit and win-win with our customers!

Copper Strip

Conductor	Copper Strip/Foil
Grade	Cu-ETP/C-11000/E-Cu588
Temper	Soft(O); Hard(H)
Dimension	Thickness 0.1-4.0mm Width 20-1500mm
Cu (Min)	99.99%, 99.99%
Standard	ASTM,EN 13599,GB-T 18813-2002
Packing	In coil, inner diameter,300m,400mm,500mm etc.
Application	Winding of transformers, large scale motors, generator and stators etc.

Packing Modes

LP Copper Foil Application:

Electronic field: Copper strips are widely used in the connection, conduction and grounding of electronic equipment. It can be used to make circuit boards, electronic harnesses and cables, etc., providing the functions of current transmission and signal conduction.

Building and Construction Engineering: Copper strips are used in the construction sector for grounding systems and connections of electrical equipment. It can be used in lightning protection systems of buildings, ground loops and protection of underground cables.

Mechanical engineering: Copper strips are used in mechanical engineering to manufacture gaskets, spring sheets and thermally conductive materials, etc. Its high electrical and thermal conductivity make it a commonly used material.

Crafts and decorations: Copper strips can be used to make various crafts and decorations, such as bronze statues, copperware, jewelry and metal sculptures. Its plasticity and aesthetics make it a common art material.

Medical field: Copper tape plays an important role in medical equipment and treatment. It is used in the manufacture of leads, electrodes and medical devices for monitoring physiological signals, delivering electrical current and administering therapy.

Key Features

Electrical Conductivity: Copper is an excellent conductor of electricity, and copper foil exhibits high electrical conductivity. It allows for efficient transmission of electric current and is widely used in electrical and electronic applications.

Thermal Conductivity: Copper foil also has excellent thermal conductivity, making it effective in heat dissipation and thermal management applications. It can efficiently transfer heat away from sensitive components, such as in electronic devices or heat sinks.

Ductility: Copper foil is highly ductile, which means it can be easily shaped and formed without losing its mechanical properties. It can be bent, folded, and manipulated into complex shapes, making it suitable for various applications.

Corrosion Resistance: Copper has natural corrosion-resistant properties, and copper foil inherits this feature. It is resistant to oxidation and can withstand exposure to various environmental conditions, making it suitable for outdoor applications.

Solderability: Copper foil exhibits excellent solderability, which means it can form strong and reliable solder joints with other metals or components. This property makes it suitable for use in electronic circuitry and PCB (Printed Circuit Board) manufacturing.

Shielding Effectiveness: Copper foil has excellent electromagnetic shielding effectiveness. It can block or attenuate electromagnetic interference (EMI) and radio frequency interference (RFI), protecting sensitive electronic devices from external electromagnetic signals.

Surface Finish Options: Copper foil can be manufactured with different surface finishes to meet specific requirements. Common surface finishes include bare (uncoated) copper, tin-plated copper (also known as tin-clad copper foil), and other specialty coatings, which provide enhanced performance or protection.

Thin and Lightweight: Copper foil is available in thin gauges, typically ranging from a few micrometers to several tens of micrometers, which contributes to its lightweight nature. It is suitable for applications where weight and space are critical factors.

Chemical Compatibility: Copper foil is compatible with a wide range of chemicals, making it suitable for use in various industries. It can withstand exposure to moisture, acids, alkalis, and many organic compounds without significant degradation.



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