T2 Copper Strip for Transformer

T2 copper strip is a commonly used pure copper material with good electrical conductivity, thermal conductivity and forming performance. It is widely used in transformer winding and electrical conductor applications where stable current transmission and reliable winding performance are required.

For transformer manufacturers, copper strip quality directly affects transformer efficiency, winding stability, insulation safety and long-term operation. T2 copper strip provides good conductivity, smooth surface, accurate thickness tolerance and excellent winding performance, making it suitable for transformer coils and electrical equipment.

Our T2 copper strip for transformer can be supplied in soft annealed temper, half hard temper or customized temper according to customer requirements. Precision slitting, low burr edge and round edge options are available to reduce the risk of damaging insulation paper or insulation film during winding.

Customized specifications are available, including thickness, width, coil inner diameter, coil weight, temper, edge condition and packaging method.

T2 Copper Strip Specifications

Item	Details
Product Name	T2 Copper Strip for Transformer
Material Grade	T2 Copper / Red Copper / Pure Copper
Standard	GB / JIS / ASTM / EN or customer requirement
Copper Content	Typically ≥99.90%
Temper	O / Soft / Annealed / Half Hard / Hard
Thickness	0.05 mm – 3.00 mm or customized

Item	Details
Width	10 mm – 500 mm or customized
Electrical Conductivity	High conductivity, according to standard or customer requirement
Surface	Smooth, clean, bright, free from serious defects
Edge Condition	Slit edge / deburred edge / round edge
Inner Diameter	150 mm / 300 mm / 400 mm / 500 mm or customized
Coil Weight	Customized according to customer requirement
Application	Transformer winding, transformer coil, electrical conductor
Packaging	Wooden pallet / wooden case / export seaworthy package

High Conductivity T2 Copper Strip

T2 copper strip is widely used in transformer applications because of its good electrical conductivity and stable current-carrying performance. High conductivity helps reduce electrical loss, improve transformer efficiency and support reliable long-term operation.

Material	Conductivity	Application
T2 Copper Strip	High conductivity, according to standard	Transformer winding and electrical co
Soft Annealed T2 Copper Strip	Good conductivity and ductility	Transformer coils and easy winding
T2 Copper Tape	Stable electrical performance	Electrical equipment and conductor p

For projects requiring specific conductivity values, material test certificates can be provided according to customer requirements.

Mechanical Properties

Temper	Tensile Strength	Elongation	Typical Use
O / Soft / Annealed	Approx. 200–260 MPa	≥30%	Transformer winding, easy bending
Half Hard	Approx. 250–320 MPa	≥10%	Electrical components, conductor part

Temper	Tensile Strength	Elongation	Typical Use
Hard	Approx. 300–380 MPa	Customized	Special electrical applications

Note: The above values are typical reference data only. Final mechanical properties depend on thickness, temper, production standard and customer technical requirements.

Features of T2 Copper Strip for Transformer

High copper purity, typically ≥99.90%
Good electrical conductivity
Excellent thermal conductivity
Good ductility and formability
Suitable for transformer winding
Soft annealed temper available
Smooth and clean surface
Accurate thickness and width tolerance
Stable mechanical properties
Low burr edge for insulation protection
Deburred edge and round edge available
Suitable for dry-type and oil-immersed transformers
Custom thickness, width, temper and coil size available

Surface Quality

Surface quality is an important requirement for transformer copper strip. Our T2 copper strip is supplied with smooth, clean and uniform surface suitable for transformer winding and insulation wrapping.
Surface requirements include:
Smooth and clean surface
No serious scratches
No cracks
No peeling
No heavy oxidation
No visible oil stain
No contamination affecting insulation
Suitable for insulation paper and insulation film wrapping

Edge Condition

The edge condition of copper strip is very important for transformer winding. Burrs or sharp edges may damage insulation materials during winding.
We can provide:

Edge Type	Description
Slit Edge	Standard edge after precision slitting
Deburred Edge	Reduced burrs for safer winding
Round Edge	Smooth rounded edge for better insulation protection
Customized Edge	Produced according to customer technical requirements

For transformer winding applications, deburred edge or round edge is recommended.

Why Choose T2 Copper Strip for Transformer?

T2 copper strip is a widely used copper material for transformer winding because it provides a good balance of conductivity, ductility, processing performance and cost efficiency.

During transformer winding, the copper strip needs to maintain stable thickness, smooth surface and good edge quality. If the edge has burrs or sharp corners, it may damage insulation paper or insulation film, causing potential insulation failure. Therefore, low burr edge or round edge copper strip is recommended for transformer winding applications.

Our T2 copper strip is produced with precision slitting and strict inspection to ensure stable quality for transformer coil production.

Applications of T2 Copper Strip

T2 copper strip is widely used in:
Transformer winding
Transformer coils
Dry-type transformers
Oil-immersed transformers
Distribution transformers
Power transformers
Electrical reactors

Electrical conductor components
Busbar parts
Electrical equipment manufacturing
High-current conductive parts

Quality Control

We inspect T2 copper strip before shipment to ensure it meets transformer winding requirements.
Main inspection items include:
Material grade inspection
Chemical composition check
Copper content verification
Electrical conductivity test
Thickness tolerance inspection
Width tolerance inspection
Surface quality inspection
Edge burr inspection
Tensile strength test
Elongation test
Temper inspection
Coil shape inspection
Packaging inspection
Material test certificate can be provided according to customer requirements.

Packaging and Delivery

T2 copper strip is carefully packed to prevent oxidation, moisture, deformation and surface damage during transportation.
Packaging options:
Anti-oxidation paper wrapping
Plastic film protection
Moisture-proof packaging
Edge protection
Wooden pallet
Wooden case
Export seaworthy package
Customized label and shipping mark
Packaging can also be customized according to customer requirements.