

Copper Foil and Strip Specification Sheet

C1100 oxygen-free electrolytic copper at 99% IACS for transformer windings.

C1100 copper foil and strip for transformer windings, 0.2 to 3.0 mm thick and 50 to 1350 mm wide, on inner diameters of 300, 400 or 500 mm or customised. Copper content is 99% or higher with conductivity of 99% IACS or better and tensile strength above 193 MPa. The material is oxygen-free electrolytic copper with oxygen below 0.02% and purity of 99.95% or higher.

2 products in this category. Every figure below is published on the product pages at trueglowimaging.com/categories/copper-foil.html

Copper Strip for Transformers

C1100 · Oxygen-free electrolytic copper

C1100 copper strip for transformers, 0.2 to 3.0 mm thick and 50 to 1350 mm wide, on inner diameters of 300, 400 or 500 mm or customised. Copper content is 99% or higher, conductivity 99% IACS or better and tensile strength above 193 MPa. The material is oxygen-free electrolytic copper with oxygen content below 0.02% and purity of 99.95% or higher, and the product complies with IEC, BIS and ASTM standards.

Specification

Alloy	C1100
Material	Oxygen-free electrolytic copper
Oxygen Content	Below 0.02%
Purity	99.95% or higher
Thickness	0.2-3.0 mm
Width	50-1350 mm
Inner Diameter	300 / 400 / 500 mm or customised
Copper Content	99% or higher
Conductivity	99% IACS or better
Tensile Strength	Above 193 MPa
Standards	IEC, BIS, ASTM

Key benefits

Oxygen Below 0.02%. Oxygen in copper causes embrittlement when the strip is brazed or welded into a winding. Below 0.02% is what keeps joints sound.

IEC BIS and ASTM Compliance. Three standards bodies named rather than a general claim of international quality. For an exported transformer, the winding material's compliance is part of the certification.

99% IACS Conductivity. Near-pure copper conductivity, published, which is what lets winding losses be calculated at design stage.

Supported Through the Whole Life. Supply covers transformer manufacturing, assembly, maintenance and repair, so a rewind years later uses the same specification.

Where it is used

Foil winding for distribution transformers • Low voltage windings in power transformers • Transformer assembly and connection work • Maintenance and repair rewinding • Coil manufacture requiring wide strip • Applications needing certified conductor material

Copper Foil

C1100 Foil · Oxygen-free electrolytic copper

C1100 copper foil for transformer windings, 0.2 to 3.0 mm thick and 50 to 1350 mm wide, on inner diameters of 300, 400 or 500 mm or customised. Copper content is 99% or higher, conductivity 99% IACS or better and tensile strength above 193 MPa. The material is oxygen-free electrolytic copper with oxygen below 0.02% and purity of 99.95% or higher, and it complies with American, European, German and Japanese standards. Supply covers transformer manufacturing, assembly, maintenance and repair.

Specification

Alloy	C1100
Material	Oxygen-free electrolytic copper
Oxygen Content	Below 0.02%
Purity	99.95% or higher
Thickness	0.2-3.0 mm
Width	50-1350 mm
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Copper Content	99% or higher
Conductivity	99% IACS or better
Tensile Strength	Above 193 MPa
Standards	American, European, German and Japanese

Key benefits

Four Regional Standards Covered. American, European, German and Japanese standards are all named. For a transformer builder exporting to several markets, that removes a material qualification step per market.

Foil Winding Instead of Wire. A single foil sheet per turn eliminates the transposition and eddy current problems that stacked wire conductors have in a winding.

Oxygen-Free for Sound Joints. Oxygen below 0.02% and purity above 99.95% is what keeps brazed and welded winding joints from embrittling.

Width to 1350 mm. Foil winding needs strip as tall as the coil. A 1350 mm maximum width covers large distribution transformer coils in one piece.

Where it is used

Foil winding for cast resin and dry-type transformers • Low voltage foil windings in oil-immersed units • Transformer assembly and busbar connection • Maintenance and repair rewinding • Coils requiring full-height single-piece foil • Export transformer manufacture requiring multi-standard material

How To Enquire

Send the process rather than a model number: capacity or flow rate, the product being handled, the container format where relevant, and the utilities already on site. WhatsApp +86 150 5517 9418 or email sales@trueglowimaging.com.

Minimum order is one unit on the process, packaging, utility and crane ranges. Machined, fabricated and moulded parts are quoted from single pieces upward.