Aluminium Foil and Strip Specification Sheet

1050 1060 and 1070 alloys at 63% IACS for lighter transformer windings.

Aluminium foil and strip for transformer windings in alloys 1050, 1060 and 1070, from 0.2 to 3.00 mm thick and 20 to 1500 mm wide, on inner diameters of 150 to 500 mm or customised. Aluminium content is 99.6% or higher, conductivity 63% IACS or better and tensile strength above 74 MPa.

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

Aluminium Foil for Transformer

1050 / 1060 / 1070 · Content 99.6% minimum

Aluminium foil and strip for transformer windings in alloys 1050, 1060 and 1070, from 0.2 to 3.00 mm thick and 20 to 1500 mm wide, on inner diameters of 150, 200, 300, 400 or 500 mm or customised. Aluminium content is 99.6% or higher, conductivity 63% IACS or better and tensile strength above 74 MPa. Thickness is specified to the transformer design, and commonly used thicknesses range from 0.2 mm to 3 mm.

Specification

Alloy	1050 / 1060 / 1070
Thickness	0.2-3.00 mm
Width	20-1500 mm
Inner Diameter	150 / 200 / 300 / 400 / 500 mm or customised
Aluminium Content	99.6% or higher
Conductivity	63% IACS or better
Tensile Strength	Above 74 MPa
Application	Transformer foil windings

Key benefits

Conductivity Guaranteed at 63% IACS. Winding losses are a direct function of conductivity. A published minimum of 63% IACS is what lets a transformer designer calculate losses rather than assume them.

Width Range of 20 to 1500 mm. Foil winding needs the strip width to match the coil height exactly. A 20 to 1500 mm range covers everything from a small dry-type unit to a large distribution transformer.

Three Alloys in the 1000 Series. 1050, 1060 and 1070 differ in purity and therefore in conductivity and softness. Having all three available means the winding machine and the design can both be satisfied.

Inner Diameter to Suit Your Winder. 150, 200, 300, 400 and 500 mm as standard or customised, so the coil fits the mandrel you already run.

Where it is used

Foil winding for dry-type distribution transformers • Low voltage windings in oil-immersed transformers • Replacing copper foil where weight and cost matter • Transformer repair and rewinding work • Busbar and electrical connection applications • Coil manufacture requiring specific strip widths

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.