

Aluminium Foil For Transformer Winding | Haomei Aluminum

1060 and 1070 [aluminium foil for transformer winding](#) have very high conductivity and thermal conductivity, their conductivity is up to about 60%IACS, and forming, welding and corrosion resistance are very good, so it can well meet the performance requirements of aluminum foil for transformer.

Haomei transformer aluminium foil can be used for variable transformer like low or high voltage transformer winding, high frequency transformer, step up or down voltage transformer etc. The alloy can be used to meet the minimum industry requirements for strip conductor, is closely controlled to assure smooth, substantially burr-free edges and strip-size avail-abilities are in capacities exactly equivalent to those of standard copper wire sizes.

Aluminum foil for transformer is a material used for main part of the transformer winding. As for a transformer, is composed of four parts: winding, core, fuel tank and insulating sleeve. Among them, because the winding way is different, foil winding transformers with different widths of aluminum foil strip winding appeared. In this case, in addition to the advantage of high conductivity, aluminum foil for transformer has a stronger resistance to short circuit and significantly improves the performance of the transformer because the end of winding is flat instead of the traditional copper wire. Besides, in practice, aluminum foil for transformer input cost is much lower than copper wire, high economy, coupled with the lightweight advantage of aluminum foil for transformer, for many years, has been the preferred material for transformer manufacturing design and use.

Specification of aluminum foil for transformer

Product name	1050 1060 1070 1350 O Aluminium foil strip for Transformers
Grades	1050 1060 1070 1350
Temper	O
Specification	Thickness:0.2-3.5mmWidth:20-1350mm
Quantity tolerance	± 10%
ID	152.4,200,300,400 and 500mm
Surface treatment	Mill finish
Application	Transformer winding
Packaging	Wooden Pallet
Payment terms	TT,30% deposit and 70% balance before shipment,LC at sight
Delivery time	10 days
MOQ	5 Tons
Port	Shanghai port

Sample	The sample of Aluminium foil strip is available.
Remark	1050 1060 1070 1350 Aluminium foil strip can be customized.

Chemical Composition of transformer aluminum foil

1050 Aluminium foil strip Chemical composition(%)									
Element	Al	Si	Fe	Mg	Zn	Mn	Ti	Cu	V
Standard Value	≥99.5	0.0431	0.203	0.0013	0.0093	0.0104	0.0200	0.0022	0.0039

1060 Aluminium foil strip Chemical composition(%)									
Element	Al	Si	Fe	Mg	Zn	Mn	Ti	Cu	V
Standard Value	≥99.6	0.0431	0.203	0.0013	0.0093	0.0104	0.0200	0.0022	0.0039

1070 Aluminium foil strip Chemical composition(%)									
Element	Al	Si	Fe	Mg	Zn	Mn	Ti	Cu	V
Standard Value	≥99.7	0.0431	0.203	0.0013	0.0093	0.0104	0.0200	0.0022	0.0039

1350 Aluminium foil strip Chemical composition(%)									
Element	Al	Si	Fe	Mg	Zn	Mn	Ti	Cu	V
Standard Value	≥99.5	0.0431	0.203	0.0013	0.0093	0.0104	0.0200	0.0022	0.0039

Advantages of aluminium foil for transformer

- A:No Burrs
- B:Round Edge
- C:High Conductivity
- D:High Purity
- E:Totally Annealed
- F:Good Reputation

