

1060 Aluminum Strip for Transformer Winding



1060 aluminum strip is one of the commonly used materials for transformer winding. It contains high aluminum content and offers good conductivity, excellent formability and reliable mechanical performance. In O temper, the strip is soft and easy to process, which helps improve winding efficiency and reduce the risk of cracking or deformation during transformer coil production.

Our 1060 aluminum strip for transformer winding is manufactured under strict process control to ensure accurate thickness, stable width tolerance, smooth surface and neat edge quality. Customized specifications are available according to different transformer design and winding requirements.

Product Specifications

Product Name	1060 Aluminum Strip for Transformer Winding
Alloy	1060
Temper	O / Soft
Thickness	0.20 - 3.00 mm
Width	10 - 300 mm
Inner Diameter	150 mm / 300 mm / 400 mm / 500 mm or customized
Outer Diameter	According to coil size and customer requirements
Surface	Smooth, clean, no obvious scratch, oil stain or oxidation
Edge Condition	Slit edge / deburred edge / round edge
Coil Weight	According to customer requirements
Standard	According to applicable industry standard or technical agreement
Packaging	Export-standard seaworthy packaging

MOQ	2 Tons
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Typical Chemical Composition (%):

Alloy	Al (%) Min	Si (%) Max	Fe (%) Max	Cu (%) Max	Mn (%) Max	Mg (%) Max	Zn (%) Max	V (%) Max	Others Max
1060	99.60	0.25	0.35	0.05	0.03	0.03	0.05	0.05	0.03 each / 0.10 total

Note: Chemical composition is for reference only and may vary depending on standard and production requirements.

Typical Mechanical Properties (O Temper):

Alloy	Temper	Tensile Strength (MPa)	Elongation (%)
1060	O	60 - 95	≥ 25

Note: Mechanical properties may vary slightly depending on thickness and production condition.

Electrical Conductivity:

Alloy	Conductivity (%IACS)
1060	≥ 61.5

Note: Conductivity values are for reference. Specific requirements can be discussed according to customer application.

Thickness and Width Tolerance:

Thickness (mm)	Thickness Tolerance (mm)	Width (mm)	Width Tolerance (mm)
0.20 - 0.50	±0.01 / ±0.02	<100	±0.10
0.50 - 1.00	±0.02	100-200	±0.15
1.00 - 2.00	±0.03	201-500	±0.20
2.00 - 3.00	±0.04	501-1250	±1

Note: Tolerance can be adjusted according to actual specification and customer technical agreement.

Edge Quality Requirements:

Item	Requirement
Burr height	≤ 0.03 mm
Edge collapse	≤ 0.05 mm
Surface quality	Smooth and clean
Edge type	Slit edge / deburred edge / round edge
Optional control	According to winding requirements

Good edge quality is important for transformer winding because it helps reduce the risk of insulation damage and improves processing stability.

Product Advantages

1060 aluminum strip is a reliable choice for transformer winding applications because it combines good conductivity with excellent ductility. Compared with ordinary aluminum strip, transformer winding aluminum strip requires stricter control of softness, surface cleanliness, burr height and dimensional accuracy.

Our 1060 aluminum strip offers:

Stable conductivity for electrical applications

Soft temper for smooth winding operation

Accurate dimensions for consistent coil production

Clean surface and neat edges

Flexible production according to customer drawings or requirements

Production Process of 1060 Aluminum Strip for Transformer Winding

Raw Material Inspection → Rolling → Annealing → Precision Slitting → Surface & Edge Inspection
→ Performance Testing → Rewinding & Packaging

Quality Control:

To ensure product consistency and reliability, strict quality inspection is carried out throughout the production process.

Quality Control Items

Raw material inspection

Thickness tolerance inspection

Width tolerance inspection

Surface quality inspection

Edge burr and collapse inspection

Conductivity testing

Mechanical property testing

Final packaging inspection

Each coil is checked carefully before shipment to meet transformer winding requirements.

Typical Applications

Transformer winding

Dry-type transformer coils

Oil-immersed transformer coils

Distribution transformers

Power transformers

Electrical conductor components

Aluminum winding material for electrical equipment

Packaging and Delivery:

We use standard export packaging to protect the aluminum strip during storage and transportation.

Packaging Options

Eye to wall / eye to sky packaging available

Moisture-proof protection

Plastic film and kraft paper wrapping

Wooden pallet or wooden case

Clear label for each coil

Suitable for sea, land and export transportation

Delivery

Production lead time depends on specification, order quantity and current production schedule.