

SPECIFICATIONS

Commercial	1050A
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5L36 - 1050A has excellent characteristic properties: Very good atmospheric corrosion resistance. Very good workability. High thermal and electrical conductivity (preferred alloy 1350). Attractive appearance, high reflectivity. Suitable for decorative anodising. Very good weldability with low mechanical properties.

CHEMICAL COMPOSITION

BS 5L36(1985) Alloy 5L36	
Element	% Present
Aluminium (Al)	99.5 min
Iron (Fe)	0.4 max
Silicon (Si)	0.25 max
Zinc (Zn)	0.07 max
Magnesium (Mg)	0.05 max
Titanium (Ti)	0.05 max
Manganese (Mn)	0.05 max
Copper (Cu)	0.05 max
Other (Each)	0.03 max

99.5% min pure Aluminium

The wire shall be supplied as drawn.

No heat treatment is required.

ALLOY DESIGNATIONS

Aluminium alloy 5L36 - 1050A is covered by Standard BS EN 5L36 (1985)

TEMPER TYPES

The most common tempers for 5L36 - 1050A aluminium wire / rivet stock is as-drawn

SUPPLIED FORMS

L36-1050A aluminium is supplied in Wire as rivet stock.

- Wire

GENERIC PHYSICAL PROPERTIES

Property	Value
Density	2.59 g/cm ³
Melting Point	658 °C
Thermal Expansion	23.5 x10 ⁻⁶ /K
Modulus of Elasticity	69 GPa
Thermal Conductivity	229 W/m.K
Electrical Resistivity	59.5 % IACS

MECHANICAL PROPERTIES

BS 5L36(1985) Wire	
Property	Value
Tensile Strength	110 Min MPa

The specification covers wire for solid, cold-forged rivets of 99.5% aluminium.

CONTACT

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REVISION HISTORY

Datasheet Updated	07 January 2014
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DISCLAIMER

This Data is indicative only and as such is not to be relied upon in place of the full specification. In particular, mechanical property requirements vary widely with temper, product and product dimensions. All information is based on our present knowledge and is given in good faith. No liability will be accepted by the Company in respect of any action taken by any third party in reliance thereon.

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