Aluminium Alloy
5L36 Wire / Rivet Stock

SPECIFICATIONS

Commercial	1050A

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 treatmentis 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/cm³
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.

[1 OF 2] CONTINUED

CONTACT

Address: (incorporated in the USA)
Tel: +44 (0)1371 811 642
Email: info@aerometalsalliance.com

REVISION HISTORY

Datasheet Updated	07 January 2014

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.

Please note that the 'Datasheet Update' date shown above is no guarantee of accuracy or whether the datasheet is up to date.

The information provided in this datasheet has been drawn from various recognised sources, including EN Standards, recognised industry references (printed & online) and manufacturers' data. No guarantee is given that the information is from the latest issue of those sources or about the accuracy of those sources.

Material supplied by the Company may vary significantly from this data, but will conform to all relevant and applicable standards.

As the products detailed may be used for a wide variety of purposes and as the Company has no control over their use; the Company specifically excludes all conditions or warranties expressed or implied by statute or otherwise as to dimensions, properties and/or fitness for any particular purpose, whether expressed or implied.

Advice given by the Company to any third party is given for that party's assistance only and without liability on the part of the Company. All transactions are subject to the Company's current Conditions of Sale. The extent of the Company's liabilities to any customer is clearly set out in those Conditions; a copy of which is available on request.