

SPECIFICATIONS

Commercial	1200
------------	------

Applications:
Drawn Tube

Characteristic Properties:
Very good atmospheric corrosion resistance and workability. High thermal conductivity and reflectivity but lower than for 1050A. Very good weldability. Slightly higher strength than 1050A.

CHEMICAL COMPOSITION

BS 4L54(1986) Alloy 3L54	
Element	% Present
Aluminium (Al)	99 min
Silicon + Iron (Si+Fe)	1 max
Others (Total)	0.15 max
Zinc (Zn)	0.1 max
Manganese (Mn)	0.05 max
Titanium (Ti)	0.05 max
Copper (Cu)	0.05 max
Other (Each)	0.05 max

The tube shall be supplied cold drawn.

ALLOY DESIGNATIONS

Aluminium alloy 3L54 - 1200 is covered by Standard BS EN 4L54 (1986)

TEMPER TYPES

The most common tempers for 3L54 - 1200 aluminium is cold drawn

SUPPLIED FORMS

3L54-1200 aluminium is supplied as cold drawn tube

- Tube

GENERIC PHYSICAL PROPERTIES

Property	Value
Density	2.59 g/cm ³
Melting Point	657 °C
Thermal Expansion	23.4 x10 ⁻⁶ /K
Modulus of Elasticity	69 GPa
Thermal Conductivity	225 W/m.K
Electrical Resistivity	58.5 % IACS

MECHANICAL PROPERTIES

BS 4L54(1986) Seamless Tube Up to and inc. 75mm OD	
Property	Value
Tensile Strength	125 Min MPa

The tensile value shown relates to tubes with a nominal outside diameter up to and including 75mm. The value for over 75mm shall be 110 N/mm².

Tubes shall be subjected to a single drifting test, a bore test and a hydraulic test according to the formula shown in the specification.

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.