

An Aluminium Bronze alloy formulated specifically for use on the Airbus A380 programme.

CHEMICAL COMPOSITION

Manufacturer's Information	
Element	% Present
Aluminium (Al)	8 - 11
Nickel (Ni)	4 - 6
Iron (Fe)	4 - 6
Manganese (Mn)	0.3 typical
Copper (Cu)	Balance

ALLOY DESIGNATIONS

This specification covers material in copper alloy Cu Al 10 Ni (U-A10 N) in use condition M

TEMPER TYPES

As Manufactured

SUPPLIED FORMS

Round Bar in full length or billeted/cut to length is supplied in sizes up to 280mm diameter.

- Bar
- Rod

GENERIC PHYSICAL PROPERTIES

Property	Value
Density	7.5 g/cm ³

MECHANICAL PROPERTIES

Manufacturer's Information	
Property	Value
Proof Stress	245-530 MPa
Tensile Strength	650-805 MPa
Elongation A50 mm	10-17 %
Hardness Brinell	179-240 HB

CONTACT

Address: Gould Alloys Ltd
Markham Lane
Markham Vale
Chesterfield
S44 5HS
United Kingdom
Tel: +44 (0) 1246 263300
Email: sales@gouldalloys.co.uk
Web: www.gouldalloys.co.uk

REVISION HISTORY

Datasheet Updated 28 February 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.