

## SPECIFICATIONS

Commercial 7050

A high strength aerospace aluminium alloy with good resistance to stress-corrosion cracking.

## CHEMICAL COMPOSITION

SAE AMS 4342  
Alloy 4342

Element	% Present
Zinc (Zn)	5.7 - 6.7
Copper (Cu)	2 - 2.6
Magnesium (Mg)	1.9 - 2.6
Iron (Fe)	0.15 max
Zirconium (Zr)	0.08 - 0.15
Others (Total)	0.15 max
Silicon (Si)	0.12 max
Manganese (Mn)	0.1 max
Titanium (Ti)	0.06 max
Other (Each)	0.05 max
Chromium (Cr)	0.04 max
Aluminium (Al)	Balance

## TEMPER TYPES

Alloy AMS 4342 bar is supplied in temper T74511

- T74511

## SUPPLIED FORMS

Alloy AMS 4342 in temper T74511 is supplied as bar

- Bar
- Extrusions
- Tube

## MECHANICAL PROPERTIES

SAE AMS 4342  
Bar

Property	Value
Proof Stress	434 Min MPa
Tensile Strength	503 Min MPa
Elongation A50 mm	6 Min %

*These Mechanical Properties are for AMS 4342 bar in the T74511 temper*

## 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 14 January 2019

## 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.