

SPECIFICATIONS

Commercial	7050
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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

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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.

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

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