

Aluminium Alloy

AMS 4342 T74511 Bar



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

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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.

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