

# Aluminium Alloy AMS 4342 T74511 Bar



## 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

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