

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

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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.

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