

Aluminium

QQ-A-225/9 T7351 Bar

Datasheet Updated
05 August 2021

SPECIFICATIONS

Commercial	7075
Aerospace	QQ-A-225/9 T7351

Aerospace aluminium alloy with a superior strength to weight ratio than that of steel.

CHEMICAL COMPOSITION

SAE AMS QQ-A-225/9
Alloy QQ A 225/9

Element	% Present
Silicon (Si)	0.00 - 0.40
Iron (Fe)	0.00 - 0.50
Copper (Cu)	1.20 - 2.00
Manganese (Mn)	0.00 - 0.30
Chromium (Cr)	0.18 - 0.28
Magnesium (Mg)	2.10 - 2.90
Zinc (Zn)	5.10 - 6.10
Titanium (Ti)	0.00 - 0.20
Other (Each)	0.00 - 0.05
Others (Total)	0.00 - 0.15
Aluminium (Al)	Balance

TEMPER TYPES

Alloy QQ-A-225/9 is supplied in a range of tempers:

- T7351
- T651

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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EMAIL: sales@rblimited.co.uk WEB: www.rightonblackburns.co.uk

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SUPPLIED FORMS

- Bar

APPLICATIONS

- Aerospace components
- Defence components
- High technology applications

CHARACTERISTICS

- High strength
- Very good machinability
- Very good weldability (resistance, spot & beam)
- Fair resistance to atmospheric corrosion

MECHANICAL PROPERTIES

SAE AMS QQ-A-225/9
Bar 12.7mm to 76.2mm

Property	Value
Proof Stress	386 Min MPa
Tensile Strength	469 Min MPa
Elongation A50 mm	10 Min %

