

Aluminium

QQ-A-225/9 T651 Bar

Datasheet Updated
05 August 2021

SPECIFICATIONS

| | |
|------------|--------------------|
| Commercial | 7075 |
| Aerospace | QQ-A-225/9 T651 |

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.

The information provided in this datasheet has been drawn from various recognised sources, including EN Standards, recognised industry references (printed S online) and manufacturers' data. No guarantee is given that the information is from the latest issue of those sources or about the accuracy of those sources. Material supplied by the Company may vary significantly from this data but will conform to all relevant and applicable standards. As the products detailed may be used for a wide variety of purposes and as the Company has no control over their use; the Company specifically excludes all conditions or warranties expressed or implied by statute or otherwise as to dimensions, properties and/or fitness for any particular purpose, whether expressed or implied. Advice given by the Company to any third party is given for that party's assistance only and without liability on the part of the Company. All transactions are subject to the Company's current Conditions of Sale. The extent of the Company's liabilities to any customer is clearly set out in those Conditions; a copy of which is available on request.

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

Copyright © 2021 Righton and Blackburns Limited. All rights reserved.

SUPPLIED FORMS

- Bar

APPLICATIONS

- Aerospace components
- Defence components
- High technology applications

CHARACTERISTICS

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

MECHANICAL PROPERTIES

SAE AMS QQ-A-225/9
Bar 12.7mm to 101.6mm

| Property | Value |
|-------------------|-------------|
| Proof Stress | 455 Min MPa |
| Tensile Strength | 531 Min MPa |
| Elongation A50 mm | 7 Min % |

