

Aluminium

QQ-A-225/6 T351 (2024) Bar

Datasheet Updated
05 August 2021

SPECIFICATIONS

Commercial	2024
Aerospace	QQ-A-225/6 T351

Medium to high strength aerospace aluminium alloy.

CHEMICAL COMPOSITION

SAE AMS QQ-A-225/6
Alloy QQ A 225/6

Element	% Present
Silicon (Si)	0.00 - 0.50
Iron (Fe)	0.00 - 0.50
Copper (Cu)	3.80 - 4.90
Manganese (Mn)	0.30 - 0.90
Chromium (Cr)	0.00 - 0.10
Magnesium (Mg)	1.20 - 1.80
Zinc (Zn)	0.00 - 0.25
Titanium (Ti)	0.00 - 0.15
Titanium + Zirconium (Ti+Zr)	0.00 - 0.20
Other (Each)	0.00 - 0.05
Others (Total)	0.00 - 0.15
Aluminium (Al)	Balance

ALLOY DESIGNATIONS

Aluminium alloy QQ-A-225/6 has similarities to the following standard designations and specifications **but may not be a direct equivalent:**

- AMS 4120
- Alloy 2024
- UNS A92024

TEMPER TYPES

Alloy QQ-A-200/3 is supplied in a wide range of tempers:

- T8510
- T351
- T36
- T851
- T42
- T62
- T8511
- T4
- O
- T6

SUPPLIED FORMS

- Bar
- Wire
- Rod

APPLICATIONS

- Aerospace components
- Defence components
- High technology applications

CHARACTERISTICS

- Very good machinability
- Excellent when welding using resistance, spot and beam methods. Other welding methods are not recommended
- Corrosion resistance to atmospheric attack is poor

MECHANICAL PROPERTIES

SAE AMS QQ-A-225/6 Bar 12.7mm to 165.1mm

Property	Value
Proof Stress	310 MIN MPa
Tensile Strength	427 Min MPa
Elongation A50 mm	10 Min %

DISCLAIMER

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