

QQ-A-225/8 - AMS4117 - 6061 Alloy

Additional Information

6061 has similarities to the following standard designations and specification

ASTM B211, AMS 4115, AMS 4116, AMS 4117, AMS 4128

AMS-QQ-A-225/8 & ASTM B221, AMS4150, AMS 4160, AMS 4161

AMS-QQ-A-200/8

Chemical Properties

Element	Chemical Composition %
Silicon (Si)	0.40 - 0.80 max
Iron (Fe)	0.70 max
Copper (Cu)	0.15 - 0.40
Manganese (Mn)	0.15
Magnesium (Mg)	0.80 - 1.20
Chromium (Cr)	0.04 - 0.35
Zinc (Zn)	0.25
Titanium (Ti)	0.15
Aluminium (Al)	Balance

Mechanical Properties

Property	Value
Temper	T6, T651
Ultimate Tensile Strength	310 MPa
Yield	145 MPa
Elongation	25%
Hardness Brinell	65

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.

The information provided in this datasheet has been drawn from various recognised sources, including EN Standards, recognised industry references (printed & 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.