

Aluminium Alloy 6101A - T6 Extrusions



SPECIFICATIONS

Commercial	6101A
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CHEMICAL COMPOSITION

EN573-3:2009 6101A	
Element	% Present
Magnesium (Mg)	0.4 - 0.9
Silicon (Si)	0.3 - 0.7
Iron (Fe)	0.4 max
Others (Total)	0.1 max
Copper (Cu)	0.05 max
Other (Each)	0.03 max

TEMPER TYPES

- T6 - Solution heat treated and artificially aged

SUPPLIED FORMS

- Bar
- Extrusions
- Tube
- Rod

MECHANICAL PROPERTIES

EN755-2:2008 Extruded Bar Up to 150mm	
Property	Value
Proof Stress	170 Min MPa
Elongation A50 mm	8 Min %
Tensile Strength	200 Min N/mm ²

150mm dimension is Diameter for Round Bar, Thickness for Flat Bar and Width Across Flats for Hexagon & Square.
The above Values also apply for Extruded Tube up to 25mm Wall Thickness and Extruded Profiles up to 50mm Wall Thickness.

CONTACT

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REVISION HISTORY

Datasheet Updated	13 November 2018
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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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