

Aluminium

7075 T6 Bar & Extrusions

Datasheet Updated
05 August 2021

SPECIFICATIONS

Commercial	7075 T6
EN	7075 T6

A high strength aerospace aluminium alloy.

CHEMICAL COMPOSITION

Alloy 7075

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

- T6

SUPPLIED FORMS

- Bar
- Extrusions
- Rod

APPLICATIONS

- Aircraft structures
- Gears and shafts
- Automotive
- Bicycle components
- Rock climbing equipment

CHARACTERISTICS

- Excellent mechanical properties
- Good ductility
- High strength and toughness
- Good resistance to fatigue
- Superior stress corrosion resistance

MECHANICAL PROPERTIES

7075T6

Drawn Bar Up to 25mm

Property	Value
Proof Stress	480 Min MPa
Tensile Strength	540 Min MPa
Elongation A50 mm	7 Min %

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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