

Aluminium

6060 T5 Extrusions

Datasheet Updated
05 August 2021

SPECIFICATIONS

Commercial	6060 T5
EN	6060 T5

General commercial aluminium alloy.

CHEMICAL COMPOSITION

BS EN 573-3
Alloy 6060

Element	% Present
Manganese (Mn)	0.00 - 0.10
Iron (Fe)	0.10 - 0.30
Magnesium (Mg)	0.35 - 0.60
Silicon (Si)	0.30 - 0.60
Copper (Cu)	0.00 - 0.10
Zinc (Zn)	0.00 - 0.15
Titanium (Ti)	0.00 - 0.10
Chromium (Cr)	0.00 - 0.05
Other (Each)	0.00 - 0.05
Others (Total)	0.00 - 0.15
Aluminium (Al)	Balance

TEMPER TYPES

The most common temper for 6060 aluminium is:

- T5

SUPPLIED FORMS

- Extrusions

APPLICATIONS

- Architectural sections for windows, doors, curtain walls
- Interior fittings, frame systems, lighting, ladders, railings, fences
- Heat sink sections, electronic modules, electro motor housings
- Flexible assembly systems, special machinery elements
- Truck and trailer flooring, pneumatic installation, railway, inside applications
- Irrigation, heating and cooling pipes
- Furniture, office equipment

CHARACTERISTICS

- Very good corrosion resistance
- Very good weldability
- Good cold formability especially in temper T4
- Suitable for anodising

MECHANICAL PROPERTIES

BS EN 755-2

Extrusions Up to 150mm Dia., 15mm WT tube, 5mm WT profiles

Property	Value
Proof Stress	120 Min MPa
Tensile Strength	160 Min MPa
Elongation A50 mm	6 Min %
Hardness Brinell	60 HB
Elongation A	8 Min %

DISCLAIMER

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