

## Aluminium

## 6101 T6 Bar & Extrusion

Datasheet Updated  
05 August 2021

### SPECIFICATIONS

Commercial	6101 T6
EN	6101 T6

A heat treatable wrought aluminium alloy used in the manufacture and construction of electrical power distribution components and equipment.

### CHEMICAL COMPOSITION

#### EN 573-3

Element	% Present
Chromium (Cr)	0.00 - 0.03
Copper (Cu)	0.00 - 0.10
Iron (Fe)	0.00 - 0.50
Magnesium (Mg)	0.35 - 0.80
Manganese (Mn)	0.00 - 0.03
Other (Each)	0.00 - 0.03
Others (Total)	0.00 - 0.10
Silicon (Si)	0.30 - 0.70
Zinc (Zn)	0.00 - 0.10

### TEMPER TYPES

- T6

### SUPPLIED FORMS

- Bar
- Tube
- Extrusions
- Rod

### APPLICATIONS

- Electrical busbar conductor applications for enclosed bus electrical installations
- Power transmissions
- Power stations

### CHARACTERISTICS

- Good mechanical strength
- High electrical conductivity
- Good machinability
- Good weldability
- Good corrosion resistance
- Easily cold worked in aged or annealed conditions

### MECHANICAL PROPERTIES

Property	Value
Tensile Strength	97 MPa

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(1 of 2)

