

Aluminium

3003 O Sheet

Datasheet Updated
05 August 2021

SPECIFICATIONS

Commercial	3003 O
EN	3003 O

A general purpose alloy with moderate strength in the soft O condition.

CHEMICAL COMPOSITION

BS EN 573-3
Alloy 3003

Element	% Present
Others (Total)	0.00 - 0.15
Cobalt (Co)	0.05 - 0.20
Hydrogen (H)	0.00 - 0.70
Magnesium (Mg)	1.00 - 1.50
Silicon + Iron (Si+Fe)	0.00 - 0.60
Zirconium (Zr)	0.00 - 0.10
Other (Each)	0.00 - 0.05
Aluminium (Al)	Balance

ALLOY DESIGNATIONS

Aluminium alloy 3003 also corresponds to the following standard designations and specifications:

- ISO Al Mn1

TEMPER TYPES

The most common tempers for 3003 aluminium are:

- O

SUPPLIED FORMS

Alloy 3003-O is normally supplied as soft sheet.

- Treadplate/Patterned Sheet
- Sheet

APPLICATIONS

- Building industry: roofing and sidings, acoustic ceilings, corrugated sheets
- Chemical and food industries: storage tanks, pipes, metal work
- Equipment for heating and cooling: heat exchangers, air condition evaporators, motor vehicle radiators, freezer linings
- Home appliances: cooking utensils, bakery moulds
- Office equipment
- Tube & Pipe
- Packaging: containers, closures
- Cladding alloy

CHARACTERISTICS

- Moderate strength
- Cold working can increase the strength of this alloy
- High ductility
- Excellent corrosion resistance

MECHANICAL PROPERTIES

BS EN 485-2
Sheet 0.2mm to 6.00mm

Property	Value
Tensile Strength	95 - 135 MPa
Proof Stress	35 Min MPa
Hardness Brinell	28 HB

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