

Aluminium
Aluminium 1050 O Sheet

 Datasheet Updated
18 July 2022

RANGE

Sheet Size	Thicknesses
2000 x 1000	5.0 - 6.0mm
2500 x 1250	4.0 - 6.0mm
3000 x 1500	5.0mm

SPECIFICATIONS

Commercial	1050 O
EN	1050 O

General engineering use aluminium alloy.

CHEMICAL COMPOSITION
BS EN 573-3
Alloy 1050

Element	% Present
Aluminium (Al)	99.50 - 0.00
Manganese (Mn)	0.00 - 0.05
Iron (Fe)	0.00 - 0.40
Copper (Cu)	0.00 - 0.05
Magnesium (Mg)	0.00 - 0.05
Silicon (Si)	0.00 - 0.25
Zinc (Zn)	0.00 - 0.07
Titanium (Ti)	0.00 - 0.05
Other (Each)	0.00 - 0.03

ALLOY DESIGNATIONS

 Aluminium alloy 1050 also corresponds to the following standard designations and specifications *but may not be a direct equivalent*:

- AA1050A
- S1B
- A91050

TEMPER TYPES

The most common tempers for 1050 aluminium are:

- O

SUPPLIED FORMS

- Treadplate/Patterned Sheet
- Sheet

APPLICATIONS

Alloy 1050 is typically used for:

- Chemical process plant equipment
- Food industry containers
- Pyrotechnic powder
- Architectural flashings
- Lamp reflectors
- Cable sheathing
- General sheet metalwork

CHARACTERISTICS

- Excellent corrosion resistance
- High ductility
- Highly reflective finish
- Excellent weldability
- Excellent cold working properties

MECHANICAL PROPERTIES
BS EN 485-2
Sheet 0.2mm to 6.00mm

Property	Value
Tensile Strength	65 -95 MPa
Proof Stress	20 Min MPa
Hardness Brinell	20 HB

DISCLAIMER

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