

6262 Aluminium

Product Datasheet



Commercial Aluminium Alloy

Service. Quality. Value.

Heat Treatable Aluminium Alloy

Offering good corrosion resistance and overall strength, 6262 is a heat treatable aluminium alloy.

Additions to the alloy include copper, lead, silicon, magnesium and bismuth. Excellent machinability is a significant feature of 6262 aluminium due to the inclusion of lead and bismuth in the alloying process. Increased corrosion resistance and mechanical strength are due to the combination of magnesium, copper and silicon. 6262 is an ideal replacement for 2011 aluminium alloy when higher corrosion resistance and improved anodising response is a consideration.



Machining

High-speed steel or carbide tooling is advised in the machining process to achieve a smooth finish. It is acceptable to perform light cutting operations dry although heavy cutting will require an oil lubricant. Subsequent anodising of machined parts is straightforward, due to the alloys excellent machinability and resulting surface finish.

Key Features

- High mechanical strength
- Excellent weldability
- Superior machinability
- Greater corrosion resistance

Chemical Composition (weight %)

(%)	Al	Mn	Fe	Mg	Si	Zn	Ti	Cr	Cu	Bi	Pb	Other (ea)	Other (total)
Min	Bal	0.0	0.0	0.80	0.40	0.0	0.0	0.04	0.15	0.40	0.40	0.0	0.0
Max	Bal	0.15	0.70	1.20	0.80	0.25	0.15	0.14	1.40	0.70	0.70	0.05	0.15

Typical Applications

Typical applications for 6062 aluminium include valves, screw machine parts, marine fittings and hardware, oil and gas fittings, nuts, hinges and couplings.

Availability

Bar (hexagon and round), rod, wire and round tube.

UK Service Centres:

Smiths Belfast 02895 908 897
Smiths Biggleswade 01767 604 704
Smiths Birmingham 0121 728 4940
Smiths Bristol 0117 971 2800
Smiths Chelmsford 01245 466 664
Smiths Gateshead 0191 469 5428
Smiths Horsham 01403 261 981

Smiths Leeds 0113 307 5167
Smiths Manchester 0161 794 8650
Smiths Norwich 01603 789 878
Smiths Nottingham 0115 925 4801
Smiths Redruth 01209 315 512
Smiths Verwood 01202 824 347
Main Office 0845 527 3331

Quality & Testing:



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