

# 2219 Aluminium Sheet

Smiths Advanced Metals

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## Heat-Treatable Aluminium Sheet

For high temperature applications

2219 aluminium alloy sheet may be heat-treated to produce tempers with a much higher strength but with reduced ductility.

The material combines good mechanical properties with good machinability and is highly suitable for high-temperature applications. Used in applications including aerospace structures and fuel tanks, 2219 sheet offers good fracture toughness and is readily weldable.

We stock [2219 aluminium sheets](#) in a wide range of incremental sizes and tempers, including O, T31, T62, T81 and T851.

### Grades / Specifications

- AMS4031                      ■ AMSQA250/30
- AMS4095                    ■ ASTM B209
- AMS4096                    ■ BMS7-110

### Benefits

- Good mechanical properties
- Lowest electrical conductivity in 2xxx series
- High-temperature range -450° to 600° F



### Key Applications

- Space structural components
- Aerospace structural components
- Fuel tanks

### Chemical Composition (weight %)

	Si	Fe	Cu	Mn	Mg	Zn	Ti	V	Zr	Others (ea)	Others (total)	Al
min.			5.80	0.20			0.02	0.05	0.10			Rem
max.	0.20	0.30	6.80	0.40	0.02	0.10	0.10	0.15	0.25	0.05	0.15	

### Processing Services

We add considerable value to our stockholding capabilities with in-house processing where we guillotine your aluminium sheet to your specific size requirements.

We also offer a vinyl coating service where your processed sheets are coated with a fine vinyl film to protect the aesthetic appearance of the product during transit and subsequent machining.



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