

2219 Aluminium Sheet

Smiths Advanced Metals

Rev: SAM/datasheets/aluminium/2219-sheet/feb-2022

Page: 1 of 1

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
- AMS4095
- AMS4096
- AMSQA250/30
- ASTM B209
- 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.



Guillotining Services

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