

7475 Aluminium Sheet

Smiths Advanced Metals

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40% Increased Toughness

When compared to 7075 aluminium sheet

7475 aluminium sheet typically offers a 40% increase in toughness when compared to 7075 aluminium.

While the performance characteristics of 7075 are similar, 7475 aluminium sheet offers improved fatigue and corrosion resistance performance comparable with and often better than other high strength aluminium grades. 7475 aluminium sheet is suitable for applications where considerations include high mechanical strength, improved fracture toughness, and fatigue crack propagation are of greater importance.

We have stock availability for [7475 aluminium sheets](#) in a wide range of thicknesses and tempers (including 0, T7351 and T761 tempers).



Chemical Composition (weight %)

	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Others (ea)	Others (total)	Al
min.			1.20		1.90	0.18	5.20				Rem
max.	0.10	0.12	1.90	0.06	2.60	0.25	6.20	0.06	0.05	0.15	

Grades / Specifications

- 3.4377
- ABS5077, AIMS 03-04-029
- AMS4100
- DMS2184, DMS2234
- LN9073
- MEP02-012

Benefits

- 40% tougher than 7075 aluminium
- Superior fracture toughness
- Superior strength
- High electrical conductivity
- Good performance at low temperature
- Improved corrosion resistance

Key Applications

- Aircraft structural parts
- Military components
- Highly stressed components

Processing Options

We process 7475 aluminium sheets in-house to tight tolerances using our dedicated guillotining services. We stock aluminium sheets in incremental sizes, which are closer to your finished requirements.



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