

7175 Aluminium Plate

Smiths Advanced Metals

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Superior Strength & Toughness

7175 is ideal for structural applications

7175 aluminium alloys is similar to 7075, but with closer controls on the alloys iron and silicon content to optimise overall strength and toughness.

Also known as a forging alloy, 7175 aluminium plate combines high mechanical strength, stress corrosion cracking resistance, and fracture toughness to create an ideal plate product for structural applications, particularly in the aerospace sector. The alloy should be considered for applications where high mechanical strength is a requirement. Other commercial applications for 7175 include the production of automotive components, gears and shafts.

We stock a range of [7175 aluminium plates](#) in a wide range of sizes and tempers, including T7351.



Chemical Composition (weight %)

	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Others (ea)	Others (total)	Al
min.			1.20		2.10	0.18	5.10				Rem
max.	0.15	0.20	2.00	0.10	2.90	0.28	6.10	0.10	0.05	0.15	

Grades / Specifications

- AIMS 03-02-000
- AIMS 03-02-008
- ASNA3050

Key Applications

- Aircraft structural parts
- Aerostructures
- Highly stressed components
- Automotive components

Processing Options

We process 7175 aluminium plate in-house. We stock aluminium plates which are in closer incremental sizes resulting in products which may not require further machining since they match your exact requirements.

Benefits

- Good resistance to stress corrosion cracking
- High mechanical strength
- High fracture toughness

About Smiths Advanced Metals

Smiths Advanced Metals is a leading global supplier of speciality metals and plastics for high-quality applications.

We support a broad range of commercial markets with high-quality engineering materials and added value services, which will help to improve your supply chain.



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