

Aluminium Sheet

Applications

- Aircraft components
- General fabrication
- Processing equipment (chemical, pharmaceutical)
- Sheet metal work
- Boiler fabrication
- Industrial pressure vessels (food sector)
- Kitchenware

Product Description

Aerospace aluminium sheet grade L16/L17 has high corrosion resistance with slightly higher strength than 1050a. The alloy also boasts high thermal conductivity and reflectivity although this is not quite as high as 1050. The alloy has a 99% minimum requirement for aluminium content and yet is still classed as a non heat-treatable commercially pure aluminium. Alloy L16 is temper designation H14 or H24, Alloy L17 is 'O' temper.

Key features:

- High thermal conductivity
- Very good weldability
- Very good atmospheric corrosion resistance
- Easily joined
- High anodising capability

Related Material Specifications

- 6L16, Alloy 1200
- 5L34, Alloy 1200
- L116, Alloy 1200
- BA 99.0%
- 6L17, Alloy 1200
- 4L54, Alloy 1200
- BS 1C
- Grade 1200

Corrosion Resistance

High

Cold Working

Excellent

Availability

Sheet

Chemical Composition (weight %)

Weight (%)	Al	Fe + Si	Mg	Ti	Mg	Cu	Zn	Other
min.	99.0							
max.		1.0	0.05	0.05	0.05	0.05	0.10	0.15

Physical Properties

Melting Point	660°C
Density	2.71 g/cm ³
Thermal conductivity	226 W/m ² K
Thermal expansion coefficient	24 x10 ⁻⁶ /K
Electrical Conductivity	59.5 IACS
Modulus of elasticity	69 GPa

Technical Assistance

Our knowledgeable staff backed up by our resident team of qualified metallurgists and engineers, will be pleased to assist further on any technical topic.

UK Service Centres:

Smiths Belfast **02895 908 897**
 Smiths Biggleswade **01767 604 704**
 Smiths Birmingham **0121 728 4940**
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Quality & Testing:



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