2099 Aluminium - AMS 4287

Typical Applications

High Strength Applications



2099 is an aluminium lithium alloy.

The addition of lithium increases the strength modulus of the material while lowering its density. In T83 temper 2099 has high strength and excellent corrosion resistance with moderate fracture toughness

Related Products

2014

7075

2618

2099

Technical specification

Related Specifications

AMS 4287

Density

2.63g/cm3

Chemical Composition (WT %)

	Min	Max
Cu	1.80	2.70
Li	1.60	2.00
Zn	0.40	1.00
Mg	0.10	0.50
Mn	0.10	0.50
Zr	0.50	0.12
Ti	-	0.10
Fe	-	0.07
Si	-	0.05

Be	-	0.0001
Others (Each)	-	0.05
Others (Total)	-	0.15

Typical Mechanical Properties

	Content
0.2% Proof Stress	370
Tensile Strength	415
Elongation	6
Reduction of area	-
Hardness	-



Need more information? ***Get in touch***

General Enquiries

+44(0) 1525 217 556

Email us here

Head Office

40 Eden Way
Chartwell Business Park
Leighton Buzzard
Bedfordshire
LU7 4FY

T: +44 (0)1525 217 556

Conversion Centre

Suite 2 Meadowhall Riverside
Meadowhall Road
Sheffield
South Yorkshire
S9 1BW

T: +44 (0)1143 030 320

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