

2014 ALUMINIUM - AMS 4029

2014 is a copper-based aluminium alloy with very high strength together with excellent machining characteristics and is commonly used in many aerospace structural applications due to its high strength

Density											
2.82g/cm3											
Typical Applications						Related Specifications					
Structural Applications Aerospace Fittings						2014A BS H15 AMS4121					
Chemical Composition (Wt %)											
	Si	Fe	Cu	Zn	Mn	Mg	Ti	Ni	Ti+Zr	Others (Each)	Others (Total)
Min	0.50	-	3.90	-	0.40	0.20	-	-	-	-	-
Max	2.10	0.70	5.00	0.25	1.00	0.80	0.15	0.10	0.20	0.05	0.15
Typical Mechanical Properties											
						0.2% Proof Stress	Tensile Strength	Elongation	Reduction of area	Hardness	
Content						370	415	6	-	-	
Hardness after Heat Treatment											

* This data has been supplied in good faith and is indicative only. It has been provided for general information purposes only and is not to be relied upon in place of the full specification. Mechanical properties can vary considerably with different supply conditions such as heat treatment or temper and product dimensions.

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