

7075 ALUMINIUM - AMS 4045

7075 is a very high strength aerospace aluminium through the addition of zinc and copper. Offering superior corrosion resistance, 7075 provides very high yield and tensile strengths based on the temper it is supplied in.

Density										
2.81g/cm ³										
Typical Applications						Related Specifications				
Aircraft Fittings Gears & Shafts Missile Parts Automotive										
Chemical Composition (Wt %)										
	Al	Si	Fe	Cu	Mn	Cr	Mg	Zn	Ti	
Min	Bal	-	-	1.20	-	0.18	2.10	5.10	-	
Max	Bal	0.40	0.50	2.00	0.30	0.28	2.90	6.10	0.20	
Typical Mechanical Properties										
					0.2% Proof Stress	Tensile Strength	Elongation	Reduction of area	Typical Hardness (HBW)	
Content					372 - 462	462 - 538	8	-	150	
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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