

ALUMINIUM 2017 (T451/T4)

Chemical Composition			Mechanical Properties		Applications
Element	Min	Max	Tensile Strength	379-427 Mpa	Aerospace Industry
Si	0.20	0.80	0.2% Yield Strength	221-276 Mpa	Fasteners and Rivets
Mn	0.40	1.00	Elongation	12-22%	Automotive Frame and other Heavy Duty Components
Cu	3.50	4.50	Melting Point	513-641° C	High strength structural components
Mg	0.40	0.80	Density	2.79 gr/cm ³	
Fe		0.70	Related Specification		
Zn		0.25			
Ti		0.15	2017A	A92017	
Cr		0.10	AlCuMgSi	MIL-R-430	
Al	BAL	BAL	QQ-A-430	ASTM B211	Characteristics Aluminium alloy with high strength and excellent fatigue resistance. Fair machinability and good corrosion resistance. Welding is not recommended.
			QQ-A-222/5	ASTM B216	
			QQ-A-225/5	SAE J454	