

# Material: KS D 6006 ALDC 14

## Standard Specification for Aluminium Alloy Casting

**Group:** Non-Ferrous Aluminium Alloy

**Sub Group:** KS D 6006 Aluminium Alloy Casting

**Application - Intended for Valve, Pump, General Engineering, Automotive and Other Industries Grade**

**Belongs to the Industry:** Casting

Chemical Composition			Heat Treatment	
Copper	Cu %	4.000 - 5.000	As-Cast	
Iron	Fe %	1.300 max.		
Magnesium	Mg %	0.450 - 0.650		
Manganese	Mn %	0.500 max.		
Nickel	Ni %	0.300 max.		
Lead	Pb %	0.200 max.		
Silicon	Si %	16.000 - 18.000		
Tin	Sn %	0.300 max.		
Titanium	Ti %	0.300 max.		
Zinc	Zn %	1.500 max.		
Aluminium	Al %	Balance		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
			Mechanical Properties	
			Tensile Strength in Mpa	150 min.
			Yield Strength in Mpa	-
			Elongation in %	-
			Reduction of Area in %	-
			Hardness in BHN	-
			Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
LM30	BS	British	Ingot and Casting
390.0	AA	USA	Casting
ADC 14	JIS	Japan	Casting
AC-48100	EN	European Union	Casting
EN AC-48100	DIN	Germany	Casting
AlSi17Cu4Mg	ISO	International	Casting
EN AC-48100	UNE	Spain	Casting

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