



Material - BS 1490 LM30

Standard Specification for Aluminium and Aluminium Alloy Ingots and Casting for General Engineering Purpose

Group - Non-Ferrous Aluminium Alloy

Sub Group - Aluminium Alloy BS 1490 for Ingots and Casting General Engineering Purpose

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

Grade Belongs to the Industry - Ingot and Casting

Chemical Composition			Heat Treatment	
Copper	Cu %	4.000 - 5.000	As-Cast	
Magnesium	Mg %	0.400 - 0.700		
Silicon	Si %	16.000 - 18.000		
Iron	Fe %	1.100 max.		
Manganese	Mn %	0.300 max.		
Nickel	Ni %	0.100 max.		
Zinc	Zn %	0.200 max.		
Lead	Pb %	0.100 max.		
Tin	Sn %	0.100 max.		
Titanium	Ti %	0.200 max.		
Other	Other %	0.300 max.	Mechanical Properties	
Aluminium	Al %	Balance	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
ADC 14	JIS	Japan	Casting
390.0	AA	USA	Casting
AC-48100	EN	European Union	Casting
EN AC-48100	DIN	Germany	Casting
AlSi17Cu4Mg	ISO	International	Casting
ALDC 14	KS	Korea	Casting
EN AC-48100	UNE	Spain	Casting

Further any inquiry to discuss with Gravity Cast Pvt. Ltd. – Gravity Group of Companies team member Call on +918469160029, or email marketing@gravitycastindia.com

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