



## Material - BS 1490 LM6

**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 %	0.100 max.	As-Cast	
Magnesium	Mg %	0.100 max.		
Silicon	Si %	10.000 - 13.000		
Iron	Fe %	0.600 max.		
Manganese	Mn %	0.500 max.		
Nickel	Ni %	0.100 max.		
Zinc	Zn %	0.100 max.		
Lead	Pb %	0.100 max.		
Tin	Sn %	0.050 max.		
Titanium	Ti %	0.200 max.		
Other	Ot%	0.150 max.	Mechanical Properties	
Aluminium	Al %	Balance	Tensile Strength in Mpa	160 min.
-	-	-	Yield Strength in Mpa	-
-	-	-	Elongation in %	5 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in BHN	-
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
BS401	AS	Australia	Ingot and Casting
CA401	AS	Australia	Ingot and Casting
CB401	AS	Australia	Ingot and Casting
CC401	AS	Australia	Ingot and Casting
B413.0	AA	USA	Ingot and Casting
4600	IS	India	Ingot and Casting
ADC 2	JIS	Japan	Ingot and 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](mailto:marketing@gravitycastindia.com)**

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