



GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - BS 1490 LM25

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

Group - Non-Ferrous Aluminium Alloy

Sub Group - Aluminium Alloy BS 1490 for Ingot 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 %	0.200 max.	As-Cast	
Magnesium	Mg %	0.200 - 0.600		
Silicon	Si %	6.500 - 7.500		
Iron	Fe %	0.500 max.		
Manganese	Mn %	0.300 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	130 min.
-	-	-	Yield Strength in Mpa	-
-	-	-	Elongation in %	2 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in BHN	-
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
AA601	AS	Australia	Ingot and Casting
AA603	AS	Australia	Ingot and Casting
AC601	AS	Australia	Ingot and Casting
AC603	AS	Australia	Ingot and Casting
AP601	AS	Australia	Ingot and Casting
AP603	AS	Australia	Ingot and Casting
A357.0	AA	USA	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

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