



GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - BS 1490 LM29

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 %	0.800 - 1.300	As Cast or Solution Annealing and Precipitation	
Magnesium	Mg %	0.800 - 1.300		
Silicon	Si %	22.000 - 25.000		
Iron	Fe %	0.700 max.		
Manganese	Mn %	0.600 max.		
Nickel	Ni %	0.800 - 1.300		
Zinc	Zn %	0.200 max.		
Lead	Pb %	0.100 max.		
Tin	Sn %	0.100 max.		
Titanium	Ti %	0.200 max.		
Chromium	Cr %	0.600 max.	Mechanical Properties	
Other	Ot%	0.300 max.	Tensile Strength in Mpa	120 min.
Aluminium	Al %	Balance	Yield Strength in Mpa	-
-	-	-	Elongation in %	-
-	-	-	Reduction of Area in %	-
			Hardness in BHN	100 - 140
			Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
393.0	AA	USA	Ingots and Casting
4928-B	IS	India	Casting
A039300	UNS	USA	Casting
393.0	NBR	Brazil	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

All information in our data sheets and website is indicative only and is not intended to be a substitute for the full specification from which it is extracted. It is intended to provide typical values to allow comparison between metal alloy option rather than a definitive statement of mechanical performance or suitability for a particular application as these will vary with temperature, product type and product application. It is presented apart from contractual obligations and does not constitute any guarantee of properties or of processing or application possibilities in individual cases. Our warranties and liabilities are stated exclusively in our terms of business.

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