GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - IS 736 54300

Standard Specification for Wrought Aluminium and Aluminium Alloy Plate for General Engineering Purposes

Group - Non-Ferrous Aluminium Alloy

Sub Group - IS 736 54300 Wrought Aluminium and Aluminium Alloy Plate for General Engineering Purposes

Application - Intended for Valve, Pump, General Engineering, Automotive and Other Industries
Grade Belongs to the Industry - Plate

Chemical Composition		
Copper	Cu %	0.100 max.
Magnesium	Mg %	4.000 - 4.900
Silicon	Si %	0.400 max.
Iron	Fe %	0.700 max.
Manganese	Mn %	0.500 - 1.000
Zinc	Zn %	0.200 max.
Titanium	Ti %	0.200 max.
Chromium	Cr %	0.250 max.
Aluminium	Al %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Raw or Annealing or Strain Hardening & Partially Annealing

Mechanical Properties	
Tensile Strength in Mpa	280 min.
Yield Strength in Mpa	125 min.
Elongation in %	12 min.
Reduction of Area in %	-
Hardness in HB	-
Impact in Joule	-

Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
IS 737 54300	IS	India	Steel and Strip
IS 733 54300	IS	India	Bars and Rods
SB-209 5083	ASME	USA	Steel and Plate
SB-210 5083	ASME	USA	Tubing
B 211 54300	ASTM	USA	Bars, Rods and Wire
B 210 5083	ASTM	USA	Tubing
B 209 5083	ASTM	USA	Sheet and Plate

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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