GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - IS 736 65032

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

Group - Non-Ferrous Aluminium Alloy

Sub Group - IS 736 65032 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 %	0.150 - 0.400
Magnesium	Mg %	0.700 - 1.200
Silicon	Si %	0.400 - 0.800
Iron	Fe %	0.700 max.
Manganese	Mn %	0.200 - 0.800
Zinc	Zn %	0.200 max.
Titanium	Ti %	0.200 max.
Chromium	Cr %	0.150 - 0.350
Aluminium	Al %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Raw or Annealing or Solution Annealing & Naturally Aging or Solution Annealing & Precipitation Treated

Mechanical Properties	
Tensile Strength in Mpa	110 min.
Yield Strength in Mpa	-
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 733 65032	IS	India	Bars and Rods
IS 1285 65032	IS	India	Tubing
IS 740 65032	IS	India	Sheet, Plate, Tube, Wire and Forging
SB-209 6061	ASME	USA	Sheet and Plate
SB-210 6061	ASME	USA	Tubing
B 210 6061	ASTM	USA	Tubing
B 209 6061	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

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.