GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - IS 736 31000

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

Group - Non-Ferrous Aluminium Alloy

Sub Group - IS 736 31000 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 %	0.100 max.
Silicon	Si %	0.600 max.
Iron	Fe %	0.700 max.
Manganese	Mn %	0.800 - 1.500
Zinc	Zn %	0.200 max.
Titanium	Ti %	0.200 max.
Chromium	Cr %	0.200 max.
Aluminium	Al %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

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

Mechanical Properties	
Tensile Strength in Mpa	95 min.
Yield Strength in Mpa	-
Elongation in %	23 min.
Reduction of Area in %	-
Hardness in HB	-
Impact in Joule	-

Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
IS 21 31000	IS	India	Sheet and Strip
IS 734 31000	IS	India	Forging
IS 737 31000	IS	India	Sheet and Strip
IS 738 31000	IS	India	Tubing
IS 739 31000	IS	India	Wire
IS 7883 Grade 1	IS	India	Sheet and Strip
IS 1285 31000	IS	India	Tubing

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.