GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - IS 736 55000

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

Group - Non-Ferrous Aluminium Alloy

Sub Group - IS 736 55000 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 %	4.500 - 5.500
Silicon	Si %	0.600 max.
Iron	Fe %	0.700 max.
Manganese	Mn %	0.500 max.
Zinc	Zn %	0.200 max.
Titanium	Ti %	0.200 max.
Chromium	Cr %	0.250 max.
Cr + Mn	Cr% + Mn%	0.500 max.
Aluminium	Al %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

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

Mechanical Properties	
Tensile Strength in Mpa	275 min.
Yield Strength in Mpa	125 min.
Elongation in %	-
Reduction of Area in %	-
Hardness in HB	-
Impact in Joule	-

Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
IS 737 55000	IS	India	Steel and Strip
IS 740 55000	IS	India	Sheet, Plate, Tubing, Wire and Forging
IS 739 55000	IS	India	Wire
IS 1284 55000	IS	India	Plate, Sheet, Wire, Tubing, Rods, Extrusion and Forging
IS 8513 Grade 1	IS	India	Wire
H 5202 AC7A	JIS	Japan	Casting
B 179 514.2	ANSI	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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