GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - IS 736 19700

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

Group - Non-Ferrous Aluminium Alloy

Sub Group - IS 736 19700 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 %	0.030 max.
Silicon	Si %	0.200 max.
Iron	Fe %	0.250 max.
Manganese	Mn %	0.030 max.
Zinc	Zn %	0.060 max.
Aluminium	Al %	99.700 min.
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

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

Mechanical Properties	
Tensile Strength in Mpa	60 min.
Yield Strength in Mpa	-
Elongation in %	30 min.
Reduction of Area in %	-
Hardness in HB	-
Impact in Joule	-

Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
IS 737 19700	IS	India	Steel and Strip
IS 2590 19700	IS	India	Ingots
IS 737 19800	IS	India	Steel and Strip
SB-209 1060	ASME	USA	Steel and Plate
SB-210 1060	ASME	USA	Tubing
SB-221 1060	ASME	USA	Bars, Rods and Wire
B 221 1060	ASTM	USA	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.