GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - UNI EN 1706 AC- 71000

Standard Specification for Aluminium and Aluminium Alloys - Casting

Group - Non-Ferrous Alumium Alloy

Sub Group - UNI EN 1706 Aluminium and Aluminium Alloys - Casting

Application - Intended for Valve, Pump, General Engineering, Automotive and Other Industries

Grade Belongs to the Industry - Casting

Chemical Composition		
Copper	Cu %	0.150 - 0.350
Iron	Fe %	0.800 max.
Magnesium	Mg %	0.400 - 0.700
Manganese	Mn %	0.400 max.
Nickel	Ni %	0.050 max.
Silicon	Si %	0.300 max.
Titanium	Ti %	0.100 - 0.250
Lead	Pb %	0.050 max.
Tin	Sn %	0.050 max.
Chromium	Cr %	0.150 - 0.600
Zinc	Zn %	4.500 - 6.000
Other	Ot%	0.150 max.
Aluminium	Al %	Balance
-	-	-
-	-	-

Heat Treatment
As-Cast or Aging

Mechanical Properties	
Tensile Strength in Mpa	190 - 210
Yield Strength in Mpa	120 - 130
Elongation in %	4 min.
Reduction of Area in %	-
Hardness in HB	60 - 62
Impact in Joule	-

Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
EN AC-71000	DIN	Germany	Casting
EN AC-71000	BS	British	Casting
Al Zn5Mg	ISO	International	Casting
EN AC-71000	AFNOR NF	France	Casting
EN AC-71000	UNE	Spain	Casting
EN AC-71000	SFS	Finland	Casting
EN AC-71000	BDS	Bulgaria	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