



Material - DIN EN 1706 AC-43200

Standard Specification for Aluminium and Aluminium Alloys - Casting

Group - Non-Ferrous Aluminium Alloy

Sub Group - DIN 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			Heat Treatment	
Copper	Cu %	0.350 max.	As-Cast or Aging	
Iron	Fe %	0.650 max.		
Magnesium	Mg %	0.200 - 0.450		
Manganese	Mn %	0.550 max.		
Nickel	Ni %	0.150 max.		
Silicon	Si %	9.000 - 11.000		
Lead	Pb %	0.100 max.		
Titanium	Ti %	0.200 max.		
Zinc	Zn %	0.350 max.		
Other	Ot%	0.150 max.		
Aluminium	Al %	Balance	Mechanical Properties Tensile Strength in Mpa 160 - 240 Yield Strength in Mpa 80 - 200 Elongation in % 1 min. Reduction of Area in % - Hardness in HB 50 - 80 Impact in Joule -	
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
EN AC-43200	ASME	USA	Casting
Al Si10Mg (Cu)	ISO	International	Casting
EN AC-43200	BS	British	Casting
EN AC-43200	UNI	Italy	Casting
EN AC-43200	AFNOR NF	France	Casting
EN AC-43200	UNE	Spain	Casting
EN AC-43200	SFS	Finland	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.