

Material: DIN EN 1706 AC-45400

Standard Specification for Aluminium and Aluminium Alloys - Castings

Group: Non-Ferrous Aluminium Alloy

Sub Group: DIN EN 1706 Aluminium and Aluminium Alloys - Castings

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

Belongs to the Industry: Casting

Chemical Composition			Heat Treatment			
Copper	Cu %	2.600 - 3.600	As-Cast			
Iron	Fe %	0.600 max.				
Magnesium	Mg %	0.050 max.				
Manganese	Mn %	0.550 max.				
Nickel	Ni %	0.100 max.				
Silicon	Si %	4.500 - 6.000				
Lead	Pb %	0.100 max.				
Tin	Sn %	0.050 max.				
Titanium	Ti %	0.250 max.				
Zinc	Zn %	0.200 max.				
Other	Ot%	0.150 max.				
Aluminium	Al %	Balance				
-	-	-			Mechanical Properties	
-	-	-	Tensile Strength in Mpa	230 min.		
-	-	-	Yield Strength in Mpa	110 min.		
-	-	-	Elongation in %	6 min.		
-	-	-	Reduction of Area in %	-		
-	-	-	Hardness in HB	75 min.		
-	-	-	Impact in Joule	-		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
4223	IS	India	Ingot and Casting
Al Si5Cu3	ISO	International	Casting
LM22	BS	British	Ingot and Casting
EN AC-Al Si5Cu3	CSN	International	Casting
EN AC-45400	SFS	Finland	Casting
EN AC-45400	ONORM	Australia	Casting
EN AC-45400	MSZ	Hungary	Casting

Disclaimer: All information displayed in our data sheets are for reference purpose only and are sole property of their respective owners. Information and or material are used for educational purposes only. Data at actual may vary at actual and case to case basis. ICAST Alloys LLP does not guarantee validity of these parameters. Warranties and liabilities are exclusive to our terms and conditions of business.

Customer Care: +91-99090 45075 Email: info@icastllp.com