

Material: BDS EN 1706 AC-45000

Standard Specification for Aluminium and Aluminium Alloys - Casting

Group: Non-Ferrous Aluminium Alloy

Sub Group: BDS 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 %	3.000 - 5.000	As-Cast	
Iron	Fe %	1.000 max.		
Magnesium	Mg %	0.550 max.		
Manganese	Mn %	0.200 - 0.650		
Nickel	Ni %	0.450 max.		
Silicon	Si %	5.000 - 7.000		
Lead	Pb %	0.290 max.		
Tin	Sn %	0.150 max.		
Titanium	Ti %	0.250 max.		
Zinc	Zn %	2.000 max.		
Other	Ot%	0.350 max.		
Aluminium	Al %	Balance	Mechanical Properties Tensile Strength in Mpa 150 - 170 Yield Strength in Mpa 90 - 135 Elongation in % 1 - 2 Reduction of Area in % - Hardness in HB 60 - 95 Impact in Joule -	
-	-	-		
-	-	-		
-	-	-		
-	-	-		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
EN AC-45000	DIN	Germany	Casting
EN AC-45000	BS	British	Casting
EN AC-45000	UNI	Italy	Casting
EN AC-45000	UNE	Spain	Casting
EN AC-45000	SFS	Finland	Casting
Al Si6Cu4	ISO	International	Casting
EN AC-45000	CSN	Czech Republic	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