

Material: ASME EN 1706 AC-45100

Standard Specification for Aluminium and Aluminium Alloys - Casting

Group: Non-Ferrous Aluminium Alloy

Sub Group: ASME 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 %	2.600 - 3.600	As-Cast	
Iron	Fe %	0.600 max.		
Magnesium	Mg %	0.150 - 0.450		
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.	Mechanical Properties Tensile Strength in Mpa 270 - 430 Yield Strength in Mpa 180 - 360 Elongation in % 1 - 3 Reduction of Area in % - Hardness in HB 85 - 130 Impact in Joule -	
Aluminium	Al %	Balance		
-	-	-		
-	-	-		
-	-	-		
-	-	-		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
Al Si5Cu3Mg	ISO	International	Casting
EN AC-45100	DIN	Germany	Casting
EN AC-45100	BS	British	Casting
EN AC-45100	UNI	Italy	Casting
EN AC-45100	AFNOR NF	France	Casting
EN AC-45100	UNE	Spain	Casting
EN AC-45100	SFS	Finland	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