

Material: UNI EN 1706 AC-45200

Standard Specification for Aluminium and Aluminium Alloys - Casting

Group: Non-Ferrous Aluminium 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			Heat Treatment	
Copper	Cu %	2.500 - 4.000	As-Cast	
Iron	Fe %	0.800 max.		
Magnesium	Mg %	0.400 max.		
Manganese	Mn %	0.200 - 0.550		
Nickel	Ni %	0.030 max.		
Silicon	Si %	4.500 - 6.000		
Lead	Pb %	0.200 max.		
Tin	Sn %	0.010 max.		
Titanium	Ti %	0.200 max.		
Zinc	Zn %	0.550 max.		
Other	Ot%	0.250 max.		
Aluminium	Al %	Balance	Mechanical Properties	
-	-	-		
-	-	-		
-	-	-		
-	-	-		
			Tensile Strength in Mpa	140 - 280
			Yield Strength in Mpa	70 - 230
			Elongation in %	1
			Reduction of Area in %	-
			Hardness in HB	60 - 90
			Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
EN AC-45200	DIN	Germany	Casting
EN AC-45200	BS	British	Casting
Al Si5Cu3Mn	ISO	International	Casting
EN AC-45200	UNE	Spain	Casting
EN AC-45200	SFS	Finland	Casting
EN AC-45200	BDS	Bulgaria	Casting
EN AC-45200	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