

Material: IS 617 4223

Standard Specification for Aluminium and Aluminium Alloy Ingots and Castings for General Engineering Purposes

Group: Non-Ferrous Aluminium Alloy

Sub Group: IS 617 Aluminium and Aluminium Alloy Ingots and Castings for General Engineering Purposes

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

Grade Belongs to the Industry: Ingot and Casting

Chemical Composition			Heat Treatment	
Copper	Cu %	2.000 - 4.000	As-Cast or Solution Annealing	
Iron	Fe %	0.800 max.		
Magnesium	Mg %	0.150 max.		
Manganese	Mn %	0.200 .600		
Nickel	Ni %	0.300 max.		
Silicon	Si %	4.000 - 6.000		
Lead	Pb %	0.100 max.		
Tin	Sn %	0.100 max.		
Zinc	Zn %	0.500 max.		
Aluminium	Al %	Balance		
-	-	-	Mechanical Properties Tensile Strength in Mpa 140 - 280 Yield Strength in Mpa 85 - 90 Elongation in % 2 min. Reduction of Area in % - Hardness in BHN - Impact in Joule -	
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
LM22	BS	British	Ingot and Casting
Al Si5Cu3	ISO	International	Casting
EN AC-45400	DIN	Germany	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

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