

Material: IS 617 4520

Standard Specification for Aluminium Alloy Castings

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 %	0.700 - 2.500	As-Cast			
Iron	Fe %	1.000 max.				
Magnesium	Mg %	0.300 max.				
Manganese	Mn %	0.500 max.				
Nickel	Ni %	0.500 max.				
Lead	Pb %	0.300 max.				
Silicon	Si %	9.000 - 11.000				
Tin	Sn %	0.200 max.				
Zinc	Zn %	2.000 max.				
Aluminium	Al %	Balance				
-	-	-	Mechanical Properties			
-	-	-			Tensile Strength in Mpa	-
-	-	-			Yield Strength in Mpa	-
-	-	-			Elongation in %	-
-	-	-			Reduction of Area in %	-
-	-	-			Hardness in BHN	-
-	-	-			Impact in Joule	-
-	-	-				

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
AA307	AS	Australia	Ingot and Casting
307	AS	Australia	Ingot and Casting
LM2	BS	British	Ingot and Casting
ADC12	JIS	Japan	Ingot and Casting
ADC12Z	JIS	Japan	Ingot and Casting
383	AA	USA	Ingot and Casting
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