

Material: AFNOR NF EN 1706 AC-46200

Standard Specification for Aluminium and Aluminium Alloys - Casting

Group: Non-Ferrous Aluminium Alloy

Sub Group: AFNOR NF 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 %	2.000 - 3.500	As-Cast		
Iron	Fe %	0.800 max.			
Magnesium	Mg %	0.050 - 0.550			
Manganese	Mn %	0.150 - 0.650			
Nickel	Ni %	0.350 max.			
Silicon	Si %	7.500 - 9.500			
Lead	Pb %	0.250 max.			
Tin	Sn %	0.150 max.			
Titanium	Ti %	0.250 max.	Mechanical Properties		
Zinc	Zn %	1.200 max.			
Other	Ot%	0.250 max.			
Aluminium	Al %	Balance			
-	-	-			
-	-	-			
-	-	-			
			Tensile Strength in Mpa		150 - 370
			Yield Strength in Mpa		90 - 310
			Elongation in %		1 - 2
			Reduction of Area in %		-
			Hardness in HB		60 - 120
			Impact in Joule		-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
EN AC-46200	DIN	Germany	Casting
EN AC-46200	BS	British	Casting
EN AC-46200	ASME	USA	Casting
EN AC-46200	UNI	Italy	Casting
EN AC-46200	UNE	Spain	Casting
EN AC-46300	SFS	Finland	Casting
Al Si8Cu3	ISO	International	Casting

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