

# Material: AFNOR NF EN 1706 AC-43200

## 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 %	0.350 max.	As-Cast or Aging	
Iron	Fe %	0.650 max.		
Magnesium	Mg %	0.200 - 0.450		
Manganese	Mn %	0.550 max.		
Nickel	Ni %	0.150 max.		
Silicon	Si %	9.000 - 11.000		
Lead	Pb %	0.100 max.		
Titanium	Ti %	0.200 max.		
Zinc	Zn %	0.350 max.		
Other	Ot%	0.150 max.		
Aluminium	Al %	Balance	<b>Mechanical Properties</b> Tensile Strength in Mpa      160 - 240 Yield Strength in Mpa      80 - 200 Elongation in %      1 min. Reduction of Area in %      - Hardness in HB      50 - 80 Impact in Joule      -	
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-	-	-		
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
EN AC-43200	ASME	USA	Casting
EN AC-43200	DIN	Germany	Casting
EN AC-43200	BS	British	Casting
EN AC-43200	UNI	Italy	Casting
Al Si10Mg (Cu)	ISO	International	Casting
EN AC-43200	UNE	Spain	Casting
EN AC-43200	SFS	Finland	Casting

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