



GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material: SFS EN 1706 AC-43200

Standard Specification for Aluminium and Aluminium Alloys - Casting

Group: Non-Ferrous Aluminium Alloy

Sub Group: SFS 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		
Copper	Cu %	0.350 max.
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
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment	
As-Cast or Aging	

Mechanical Properties	
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	-

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
EN AC-43200	AFNOR NF	France	Casting
EN AC-43200	UNE	Spain	Casting
Al Si10Mg (Cu)	ISO	International	Casting

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