

Material: CSN EN 1706 AC-46600

Standard Specification for Aluminium and Aluminium Alloys - Casting

Group: Non-Ferrous Aluminium Alloy

Sub Group: CSN 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 %	1.500 - 2.500
Iron	Fe %	0.800 max.
Magnesium	Mg %	0.350 max.
Manganese	Mn %	0.150 - 0.650
Nickel	Ni %	0.350 max.
Silicon	Si %	6.000 - 8.000
Lead	Pb %	0.250 max.
Tin	Sn %	0.150 max.
Titanium	Ti %	0.250 max.
Zinc	Zn %	1.000 max.
Other	Ot%	0.150 max.
Aluminium	Al %	Balance
-	-	-
-	-	-
-	-	-

Heat Treatment	
As-Cast	

Mechanical Properties	
Tensile Strength in Mpa	150 - 170
Yield Strength in Mpa	90 - 100
Elongation in %	1 min.
Reduction of Area in %	-
Hardness in HB	60 - 75
Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
EN AC-46600	DIN	Germany	Casting
EN AC-46600	BS	British	Casting
EN AC-46600	UNI	Italy	Casting
EN AC-46600	UNE	Spain	Casting
EN AC-46600	SFS	Finland	Casting
EN AC-46600	BDS	Bulgaria	Casting
Al Si7Cu2	ISO	International	Casting

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