GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - AFNOR NF EN 1706 AC-46500

Standard Specification for Aluminium and Aluminium Alloys - Casting

Group - Non-Ferrous Alumium 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		
Copper	Cu %	2.000 -4.000
Iron	Fe %	1.300 max.
Magnesium	Mg %	0.050 -0.550
Manganese	Mn %	0.550 max.
Nickel	Ni %	0.550 max.
Silicon	Si %	8.000 - 11.000
Lead	Pb %	0.290 max.
Tin	Sn %	0.150 max.
Titanium	Ti %	0.250 max.
Zinc	Zn %	3.00 max.
Chromium	Cr %	0.150 max.
Other	Ot%	0.250 max.
Aluminium	Al %	Balance
-	-	-
-	-	-

Heat Treatment
As-Cast

Mechanical Properties	
Tensile Strength in Mpa	240 min.
Yield Strength in Mpa	140 min.
Elongation in %	1 min.
Reduction of Area in %	-
Hardness in HB	80 min.
Impact in Joule	-

Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
EN AC-46500	DIN	Germany	Casting
EN AC-46500	BS	British	Casting
EN AC-46500	ASME	USA	Casting
EN AC-46500	UNI	Italy	Casting
Al Si9Cu3(Fe)(Zn)	ISO	International	Casting
EN AC-46500	UNE	Spain	Casting
EN AC-46500	SFS	Finland	Casting

Further any inquiry to discuss with Gravity Cast Pvt. Ltd. – Gravity Group of Companies team member Call on +918469160029, or email marketing@gravitycastindia.com