Material: ANSI/AA C85700

Specification Standards for Die Castings

Group: *Non-Ferrous Copper Alloy* **Sub**
Group: *ANSI/AA for Die Castings*
Application : Intended for Valve, Pump, General Engineering, Automotive and Other Industries Grade
Belongs to the Industry: *Casting*

Chemical Composition		
Tin	Sn %	0.500 - 1.500
Lead	Pb %	0.800 - 1.500
Zinc	Zn %	32.000 - 40.000
Iron	Fe %	0.700 max.
Aluminium	Al %	0.800 max.
Nickel	Ni %	1.000 max.
Silicon	Si %	0.050 max.
Other	Ot%	1.000 max.
Copper	Cu %	58.000 - 64.000
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Cast

Mechanical Properties	
Tensile Strength in Mpa	344 min.
Yield Strength in Mpa	124 min
Elongation in %	15 min.
Reduction of Area in %	-
Hardness in BHN	75 min.
Impact in Joule	-

Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
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-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

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