

Material: ASTM B176 C99750

Standard Specification for Copper Alloy Die Castings

Group: Non-Ferrous Copper Alloy

Sub Group: ASTM B176 Copper Alloy Die Casting

Application: Intended for Valve, Pump, General Engineering, Automotive and Other Industries Grade

Belongs to the Industry: Casting

Chemical Composition		
Aluminium	Al %	0.250 - 3.000
Iron	Fe %	1.000 max.
Manganese	Mn %	17.000 - 23.000
Nickel	Ni %	5.000 max.
Lead	Pb %	0.500 - 2.500
Zinc	Zn %	17.000 - 23.000
Copper	Cu %	55.000 - 61.000
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Cast

Mechanical Properties	
Tensile Strength in Mpa	-
Yield Strength in Mpa	-
Elongation in %	-
Reduction of Area in %	-
Hardness in BHN	-
Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
C99750	UNS	USA	Rod, Bar, Tube and Shapes
B30 C99750	ASTM	USA	Ingot and Casting
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

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