

# 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			Heat Treatment	
Aluminium	Al %	0.250 - 3.000	As-Cast	
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		
-	-	-	<b>Mechanical Properties</b>	
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
			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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-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

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