

## Material: AS 2738 C90810

### Standard Specification for Copper and Copper Alloys - Compositions and Designations of Refinery Products, Wrought Products, Ingots and Castings

**Group:** Non-Ferrous Copper Alloy

**Sub Group:** AS 2738 Copper and Copper Alloys - Compositions and Designations of Refinery Products, Wrought Products, Ingots and Castings

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

**Belongs to the Industry:** Ingot and Casting

Chemical Composition			Heat Treatment	
Aluminium	Al %	0.005 max.	As-Cast	
Iron	Fe %	0.150 max.		
Nickel	Ni %	0.500 max.		
Phosphorus	P %	0.150 - 0.800		
Lead	Pb %	0.250 max.		
Sulphur	S %	0.050 max.		
Antimony	Sb %	0.200 max.		
Silicon	Si %	0.005 max.		
Tin	Sn %	11.200 - 13.000		
Zinc	Zn %	0.300 max.	Mechanical Properties	
Copper	Cu %	99.400 min.	Tensile Strength in Mpa	220 - 310
-	-	-	Yield Strength in Mpa	130 - 170
-	-	-	Elongation in %	3 - 5
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in HB	75 - 100
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
PB2	BS	British	Casting
907C	AS	Australia	Ingot and Casting
CuSn11P	ISO	International	Ingot and Casting
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

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