

## Material: ISO 4382 CuAl10Fe5Ni5

### Standard Specification for Cast Copper Alloys for Solid and Multilayer Thick-Walled Plain Bearings

**Group:** Non-Ferrous Copper Alloy

**Sub Group:** ISO 4382 Cast Copper Alloys for Solid and Multilayer Thick-Walled Plain Bearings

**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 %	8.000 - 11.000	As-Cast	
Iron	Fe %	3.500 - 5.500		
Manganese	Mn %	3.000 max.		
Nickel	Ni %	3.500 - 6.500		
Lead	Pb %	0.100 max.		
Silicon	Si %	0.100 max.		
Tin	Sn %	0.200 max.		
Zinc	Zn %	0.500 max.		
Copper	Cu %	Balance		
-	-	-	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	600 - 740
-	-	-	Yield Strength in Mpa	250 - 340
-	-	-	Elongation in %	10 - 12
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in HB	140 min.
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
AB2	BS	British	Ingot and Casting
958C	AS	Australia	Ingot and Casting
C95810	AS	Australia	Ingot and Casting
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-	-	-	-
-	-	-	-
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