

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		
Aluminium	Al %	8.000 - 11.000
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
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment	
As-Cast	
Mechanical Properties	
Tensile Strength in Mpa Yield Strength in Mpa Elongation in % Reduction of Area in % Hardness in HB Impact in Joule	
600 - 740	
250 - 340	
10 - 12	
-	
140 min.	
-	

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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Customer Care: +91-99090 45075 **Email:** info@icastllp.com



+91-99090 45075



info@icastllp.com



ICAST ALLOYS LLP, Plot 2527, Road H1, Kranti Gate, GIDC Metoda, Lodhika, Rajkot-360021, Gujarat, India