

Material: ISO 1637 CuAl10Fe3

Standard Specification for Wrought Copper and Copper Alloy Rod and Bar

Group: Non-Ferrous Copper Alloy

Sub Group: ISO 1637 Wrought Copper and Copper Alloy Rod and Bar

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

Belongs to the Industry: Rod and Bar

Chemical Composition			Heat Treatment	
Aluminium	Al %	8.500 - 9.500	As-Cast	
Iron	Fe %	2.500 - 4.000		
Magnesium	Mg %	0.050 max.		
Manganese	Mn %	1.000 max.		
Lead	Pb %	0.050 max.		
Silicon	Si %	0.250 max.		
Tin	Sn %	0.100 max.		
Zinc	Zn %	0.500 max.		
Copper	Cu %	86.000 min.		
-	-	-	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	520 min.
-	-	-	Yield Strength in Mpa	210 min.
-	-	-	Elongation in %	12 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in BHN	-
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
AB1	BS	British	Casting
952C	AS	Australia	Ingot and Casting
C95210	AS	Australia	Ingot and Casting
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