Material: ISO 1637 CuAl10Ni5Fe4

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		
Aluminium	Al %	9.000 - 11.000
Iron	Fe %	2.000 - 4.000
Manganese	Mn %	1.500 max.
Ni + Co	Ni% + Co%	4.000 - 5.500
Silicon	Si %	0.250 max.
Tin	Sn %	0.200 max.
Zinc	Zn %	0.300 max.
Cu + Ag	Cu% + Ag%	78.000 - 85.000
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As Drawn or Stress Relieving or Hot Rolled

Mechanical Properties	
Tensile Strength in Mpa	620 - 725
Yield Strength in Mpa	310 - 415
Elongation in %	12 - 17
Reduction of Area in %	-
Hardness in HRB	100 min.
Impact in Joule	-

Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
C63000	UNS	USA	Rod, Bar, Tube and Shapes
B124 C63000	ASTM	USA	Rod, Bar and Shape
B171 C63000	ASTM	USA	Plate and Sheet
B283 C63000	ASTM	USA	Forging
SB-150 C63000	ASME	USA	Rod, Bar and Shape
SB-171 C63000	ASME	USA	Plate and Sheet
CA630	SAE	USA	Casting

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