

Material: BS 2874 CA 107

Standard Specification for Copper and Copper Alloy Rods and Sections

Group: Non-Ferrous Copper Alloy

Sub Group: BS 2874 Copper and Copper Alloy Rods and Sections

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

Belongs to the Industry: Rod and Section

Chemical Composition		
Aluminium	Al %	6.000 - 6.400
Iron	Fe %	0.500 - 0.700
Manganese	Mn %	0.100 max.
Nickel	Ni %	0.100 max.
Other	Ot%	0.500 max.
Lead	Pb %	0.050 max.
Silicon	Si %	2.000 - 2.400
Tin	Sn %	0.100 max.
Zinc	Zn %	0.400 max.
Copper	Cu %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Cast

Mechanical Properties	
Tensile Strength in Mpa	520 - 630
Yield Strength in Mpa	230 - 350
Elongation in %	10 - 20
Reduction of Area in %	-
Hardness in BHN	-
Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
AB3	BS	British	Ingot and Casting
CF301G	EN	European Union	Ingot and Casting
CF301G	BS	British	Ingot and Casting
CF301G	DIN	Germany	Ingot and Casting
CF301G	ONORM	Australia	Ingot and Casting
CuAl6Si2Fe	BS	British	Ingot and Casting
C23	BS	British	Ingot and Casting

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