

Material: ASTM B315 C61400

Standard Specification for Seamless Copper Alloy Pipe and Tube

Group: Non-Ferrous Copper Alloy

Sub Group: ASTM B315 Seamless Copper Alloy Pipe and Tube

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

Belongs to the Industry: Pipe and Tube

Chemical Composition		
Aluminium	Al %	6.000 - 8.000
Iron	Fe %	1.500 - 3.500
Manganese	Mn %	1.000 max.
Phosphorus	P %	0.015 max.
Lead	Pb %	0.010 max.
Zinc	Zn %	0.200 max.
Cu + Ag	Cu% + Ag%	99.500 min.
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As Drawn or Stress Relieving

Mechanical Properties	
Tensile Strength in Mpa	450 min.
Yield Strength in Mpa	195 min.
Elongation in %	30 min.
Reduction of Area in %	-
Hardness in BHN	-
Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
C61400	UNS	USA	Rod, Bar, Tube and Shapes
B100 C61400	ASTM	USA	Plate and Sheet
B111 C61400	ASTM	USA	Tubes
B169 C61400	ASTM	USA	Sheet, Strip and Bar
B171 C61400	ASTM	USA	Plate and Sheet
CA614	SAE	USA	Casting
SB-150 C61400	ASME	USA	Rod, Bar and Shapes

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