



Material - ASTM B124 UNS C70620

Standard Specification for Copper and Copper Alloy Forging Rod, Bar and Shapes

Group - Non-Ferrous Copper Alloy

Sub Group - ASTM B124 Copper and Copper Alloy Forging Rod, Bar and Shapes

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

Grade Belongs to the Industry - Rod, Bar and Shape

Chemical Composition			Heat Treatment	
Lead	Pb %	0.020 max.	Normalizing or Annealing or Tempering	
Iron	Fe %	1.000 - 1.800		
Ni + Cu	Ni% + Cu%	9.000 - 11.000		
Manganese	Mn %	1.000 max.		
Sulphur	S %	0.020 max.		
Phosphorus	P %	0.020 max.		
Zinc	Zn %	0.500 max.		
Copper	Cu %	86.500 min.		
-	-	-	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	344 min.
-	-	-	Yield Strength in Mpa	-
-	-	-	Elongation in %	-
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in BHN	-
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
B151 C70620	ASTM	USA	Bar
B171 C70620	ASTM	USA	Plate and Sheet
B283 C70620	ASTM	USA	Forging
B466 C70620	ASTM	USA	Pipe and Tube
SB-151 C70620	ASME	USA	Rod and Bar
SB-171 C70620	ASME	USA	Plate and Sheet
SB-283 C70620	ASME	USA	Forging

Further any inquiry to discuss with Gravity Cast Pvt. Ltd. – Gravity Group of Companies team member Call on +918469160029, or email marketing@gravitycastindia.com

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