



## Material - ASME SB-151 C70620

**Standard Specification for Copper-Nickel-Zinc Alloy and Copper-Nickel Rod and Bar**

**Group - Non-Ferrous Copper Alloy**

**Sub Group - ASME SB-151 Copper-Nickel-Zinc Alloy and Copper-Nickel 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	
Carbon	C %	0.050 max.	Normalizing or Annealing or Tempering	
Iron	Fe %	1.000 - 1.800		
Manganese	Mn %	1.000 max.		
Ni + Co	Ni% + Co%	9.000 - 11.000		
Phosphorus	P %	0.020 max.		
Lead	Pb %	0.020 max.		
Sulphur	S %	0.020 max.		
Zinc	Zn %	0.500 max.		
Cu + Ag	Cu% + Ag%	86.500 min.		
-	-	-	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	260 - 415
-	-	-	Yield Strength in Mpa	105 - 260
-	-	-	Elongation in %	10 - 30
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in BHN	-
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
B124 C70620	ASTM	USA	Rod, Bar and Shapes
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-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](mailto:marketing@gravitycastindia.com)**

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