



Material - SAE J463 CA377

Standard Specification for Wrought Copper and Copper Alloy

Group - Non-Ferrous Copper Alloy

Sub Group - SAE J463 Wrought Copper and Copper Alloy

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

Grade Belongs to the Industry - Rod, Bar and Shapes

Chemical Composition			Heat Treatment	
Iron	Fe %	0.300 max.	Normalizing or Annealing or Tempering	
Lead	Pb %	1.500 - 2.500		
Copper	Cu %	58.000 - 61.000		
Zinc	Zn %	Balance		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
Mechanical Properties				
Tensile Strength in Mpa		360 - 400		
Yield Strength in Mpa		140 - 160		
Elongation in %		40 - 45		
Reduction of Area in %		-		
Hardness in HRB		78 min.		
Impact in Joule		-		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
B981 C37700	ASTM	USA	Rod, Bar, Wire and Shapes
CuZn39Pb2	UNI	Italy	Plate, Sheet and Strip
CW612N	UNI	Italy	Forging
CW612N	ONORM	Australia	Forging
B283 C37700	ASTM	USA	Forging
SB-283 C37700	ASME	USA	Forging
C37700	UNS	USA	Rod, Bar, Tube and Shapes

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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