

## Material: ASTM B283 C37700

### Standard Specification for Copper and Copper-Alloy Forgings

**Group:** Non-Ferrous Copper Alloy

**Sub Group:** ASTM B283 Copper and Copper-Alloy Forgings

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

**Belongs to the Industry:** Forging

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	317 - 400
-	-	-	Yield Strength in Mpa	103 - 160
-	-	-	Elongation in %	25 - 40
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in HRB	45 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
SB-283 C37700	ASME	USA	Forging
CA377	SAE	USA	Forging
C37700	UNS	USA	Rod, Bar, Tube and Shapes

**Disclaimer:** All information displayed in our data sheets are for reference purpose only and are sole property of their respective owners. Information and or material are used for educational purposes only. Data at actual may vary at actual and case to case basis. ICAST Alloys LLP does not guarantee validity of these parameters. Warranties and liabilities are exclusive to our terms and conditions of business.

Customer Care: +91-99090 45075 Email: [info@icastllp.com](mailto:info@icastllp.com)