



## Material - IS 12443 Naval Brass CuZn39Sn

## Standard Specification for Rolled Brass Plates for General Engineering

**Group - Non-Ferrous Copper Alloy** 

Sub Group - IS 12443 Rolled Brass Plates for General Engineering

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

**Grade Belongs to the Industry - Plate** 

Chemical Composition			Heat Treatment	
Lead	Pb %	0.020 max.		
Tin	Sn %	0.500 - 1.000		
Iron	Fe %	0.100 max.		
Other	Ot%	0.500 max.	As Raw	
Copper	Cu %	59.800 - 62.000		
Zinc	Zn %	Balance		
-	-	-		
-	-	-		_
-	-	-	Mechanical Properties	
-	-		Tensile Strength in Mpa	305 min.
-	-	-	Yield Strength in Mpa	-
-	-	-	Elongation in %	20 min .
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in BHN	-
-	-	-	Impact in Joule	-

Cross Reference Table				
Material	Standard	Country	Country Grade Belong to the Industry	
B171 C46400	ASTM	USA	Plate and Sheet	
B283 C46400	ASTM	USA	Forging	
CZ 133	BS	British	Rod and Section	
SB-171 C46400	ASME	USA	Plate and Sheet	
SB-283 C46400	ASME	USA	Forging	
F467 C46400	ASTM	USA	Nut	
CuZn38Sn1	ISO	International	Rod and Bar	

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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