

## Standard Specification for Phosphor Bronze Rods and Bars

**Sub Group:** *IS 7811 Phosphor Bronze Rods and Bars*

**Belongs to the Industry:** *Rod and Bar*

Chemical Composition			Heat Treatment	
Tin	Sn %	4.200 - 5.500	As Raw	
Phosphorus	P %	0.020 - 0.400		
Lead	Pb %	0.020 max.		
Zinc	Zn %	0.300 max.		
Other	Ot%	0.500 max.		
Copper	Cu %	Balance		
-	-	-		
-	-	-	Mechanical Properties	
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
			Tensile Strength in Mpa	500 min.
			Yield Strength in Mpa	-
			Elongation in %	12 min.
			Reduction of Area in %	-
			Hardness in BHN	-
			Impact in Joule	-

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