GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - IS 7811

Standard Specification for Phosphor Bronze Rods and Bars

Group - Non-Ferrous Copper Alloy
Sub Group - IS 7811 Phosphor Bronze Rods and Bars
Application - Intended for Valve, Pump, General Engineering, Automotive and Other Industries
Grade Belongs to the Industry - Rod and Bar

Chemical Composition		
Tin	Sn %	4.200 - 5.500
Phosphorus	P %	0.020 - 0.400
Lead	Pb %	0.020 max.
Zinc	Zn %	0.300 max.
Other	Ot%	0.500 max.
Copper	Cu %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As Raw

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	-

Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

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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