GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - IS 318 LTB2

Standard Specification for Leaded Tin Bronze Ingots and Castings

Group - Non-Ferrous Copper Alloys

Sub Group - IS 318 LTB2 Leaded Tin Bronze Ingots and Castings

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

Grade Belongs to the Industry - Ingot & Casting

Chemical Composition		
Tin	Sn %	4.000 - 6.000
Zinc	Zn %	4.000 - 6.000
Lead	Pb %	4.000 - 6.000
Nickel	Ni %	2.000 max.
Aluminium	Al %	0.010 max.
Silicon	Si %	0.020 max.
Antimony	Sb %	0.400 max.
Iron	Fe %	0.350 max.
Other	Ot %	0.800 max.
Copper	Cu %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Cast

Mechanical Properties	
Tensile Strength in Mpa	190 min.
Proof Stress in Mpa	100 min.
Elongation in %	13 min.
Reduction of Area in %	-
Hardness in HB	-
Impact in Joule	-

Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
C83600	UNS	USA	Rods, Bars, Tube and Shapes
EN 1982 G-CuSn5Zn5Pb5	UNI	Italy	Casting
BSI 1400 LG-2	B.S.	British	Casting
1705 G-CuSn5ZnPb	DIN	Germany	Casting
BS 1982 CuSn5Zn5Pb5	EN	European Union	Casting
H 5111 BC-6	JIS	Japan	Casting
B 505 C83600	ASTM	USA	Rods, Bars, 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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