GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - IS 318 LTB6

Standard Specification for Leaded Tin Bronze Ingots and Castings

Group - Non-Ferrous Copper Alloys

Sub Group - IS 318 LTB6 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 %	1.000 max.
Lead	Pb %	18.000 - 23.000
Nickel	Ni %	2.000 max.
Silicon	Si %	0.010 max.
Antimony	Sb %	0.500 max.
Iron	Fe %	0.350 max.
Other	Ot %	0.800 max.
Copper	Cu %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Cast

Mechanical Properties	
Tensile Strength in Mpa	140 min.
Proof Stress in Mpa	60 min.
Elongation in %	5 min.
Reduction of Area in %	-
Hardness in HB	-
Impact in Joule	-

Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
C94100	UNS	USA	Rods, Bars, Tube and Shapes
EN 1982 G-CuSn5Pb20	UNI	Italy	Casting
BSI 1400 LB-5	B.S.	British	Casting
BS 1982 CuSn5Pb20	EN	European Union	Casting
H 5115 LBC-5	JIS	Japan	Casting
EN-1982 CuSn5Pb20-B	DIN	Germany	Casting
B 505 C94100	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

All information in our data sheets and website is indicative only and is not intended to be a substitute for the full specification from which it is extracted. It is intended to provide typical values to allow comparison between metal alloy option rather than a definitive statement of mechanical performance or suitability for a particular application as these will vary with temperature, product type and product application. It is presented apart from contractual obligations and does not constitute any guarantee of properties or of processing or application possibilities in individual cases. Our warranties and liabilities are stated exclusively in our terms of business.