GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - DIN EN 1982 CuSn7Zn4Pb7-B

Standard Specification for Copper Tin Lead Alloy Ingot and Castings

Group - Non Ferrous Copper Alloys

Sub Group - DIN EN 1982 CuSn7Zn4Pb7-B Copper Tin Lead Alloy Ingot and Castings

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

Grade Belongs to the Industry - Ingot and Casting

Chemical Composition		
Silicon	Si %	0.010 max.
Lead	Pb %	5.200 - 8.000
Iron	Fe %	0.200 max.
Tin	Sn %	6.200 - 8.000
Zinc	Zn %	2.300 - 5.000
Nickel	Ni %	2.000 max.
Aluminium	Al %	0.010 max.
Sulphur	S %	0.080 max.
Antimony	Sb %	0.300 max.
Nickel	Ni %	2.000 max.
Cu + Ni	Cu% + Ni%	81.000 - 84.500
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As Cast

Mechanical Properties	
Tensile Strength in Mpa	230 min.
Yield Strength in Mpa	120 min.
Elongation in %	12 min.
Reduction of Area in %	-
Hardness in HBW	60 min.
Impact in Joule	-

Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
CB493K	ONORM	Australia	Ingot and Casting
CB493K	UNI	Italy	Ingot and Casting
CuSn7Zn4Pb7-B	UNI	Italy	Ingot and Casting
CuSn7Zn4Pb7-B	BS	British	Ingot and Casting
CB493K	BS	British	Ingot and Casting
CB493K	PN	Poland	Ingot and Casting
CuSn7Zn4Pb7-B	PN	Poland	Ingot and Casting

Further any inquiry to discuss with Gravity Cast Pvt. Ltd. – Gravity Group of Companies team member Call on +918469160029, or email marketing@gravitycastindia.com