GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - SAE J 462 UNS C92300 Grade B

Standard Specification for Cast Copper Alloys

Group - Non-Ferrous Copper Alloys

Sub Group - SAE J 462 UNS C92300 Grade B Cast Copper Alloys

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

Grade Belongs to the Industry - Casting

Chemical Composition		
Tin	Sn %	7.500 - 9.000
Lead	Pb %	0.300 - 1.000
Zinc	Zn %	2.500 - 5.000
Iron	Fe %	0.250 max.
Antimony	Sb %	0.250 max.
Nickel	Ni %	1.000 max.
Sulphur	S %	0.050 max.
Phosphorus	P %	0.050 max.
Aluminium	Al %	0.005 max.
Silicon	Si %	0.005 max.
Copper	Cu %	85.000 - 89.000
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Cast

Mechanical Properties	
Tensile Strength in Mpa	275 min.
Yield Strength in Mpa	130 min.
Elongation in %	16 min.
Reduction of Area in %	-
Hardness in HBW	-
Impact in Joule	-

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
B 30 UNS C92300	ASTM	USA	Ingots and Casting
B 505 UNS C92300	ASTM	USA	Casting
B 584 UNS C92300	ASTM	USA	Casting
1982 CuSn11Pb-B	EN	European Union	Ingots and Casting
1982 CB482K	EN	European Union	Ingots and Casting
1982 CuSn11Pb-C	EN	European Union	Ingots and Casting
1982 CC482K	EN	European Union	Ingots 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

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