GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - SAE J 462 UNS C83600 Grade B

Standard Specification for Cast Copper Alloys

Group - Non-Ferrous Copper Alloys

Sub Group - SAE J 462 UNS C83600 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 %	4.000 - 6.000
Lead	Pb %	4.000 - 6.000
Zinc	Zn %	4.000 - 6.000
Iron	Fe %	0.300 max.
Antimony	Sb %	0.250 max.
Nickel	Ni %	1.000 max.
Sulphur	S %	0.080 max.
Phosphorus	P %	0.050 max.
Aluminium	Al %	0.005 max.
Silicon	Si %	0.005 max.
Copper	Cu %	84.000 - 86.000
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Cast

Mechanical Properties	
Tensile Strength in Mpa	250 min.
Yield Strength in Mpa	130 min.
Elongation in %	15 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 62 UNS C83600	ASTM	USA	Casting
B 505 UNS C83600	ASTM	USA	Casting
B 271 UNS C83600	ASTM	USA	Casting
1982 CuSn5Zn5Pb5-B	EN	European Union	Ingots and Casting
1982 CuSn5Zn5Pb5-C	EN	European Union	Ingots and Casting
1982 CB491K	EN	European Union	Ingots and Casting
1982 CC491K	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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