GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - ASTM B505 Leaded Nickel-Tin Bronze UNS C92900

Standard Specification for Copper Alloy Continuous Casting

Group - Non-Ferrous Copper Alloy

Sub Group - ASTM B505 / 505M Copper Alloys for Continuous Casting

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

Grade Belongs to the Industry - Rod, Bar, Tube and Shapes

Chemical Composition		
Tin	Sn %	9.000 - 11.000
Lead	Pb %	2.000 - 3.200
Zinc	Zn %	0.250 max.
Ni + Cu	Ni% + Cu%	2.800 - 4.000
Iron	Fe %	0.200 max.
Antimony	Sb %	0.250 max.
Sulphur	S %	0.050 max.
Phosphorus	P %	1.500 max.
Aluminium	Al %	0.005 max.
Silicon	Si %	0.005 max.
Copper	Cu %	82.000 - 86.000
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Cast

Mechanical Properties	
Tensile Strength in Mpa	310 min.
Yield Strength in Mpa	172 min.
Elongation in %	8 min.
Reduction of Area in %	-
Hardness in BHN	-
Impact in Joule	-

Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
B30 C92900	ASTM	USA	Ingot and Casting
B427 C92900	ASTM	USA	Casting
B505 C92900	ASTM	USA	Casting
SB-505 C92900	ASME	USA	Casting
C92900	SAE	USA	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