GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - ASTM B427 C92900

Standard Specification for Gear Bronze Alloy Casting

Group - Non-Ferrous Copper Alloy

Sub Group - ASTM B427 Gear Bronze Alloy Casting

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

Grade Belongs to the Industry - Casting

Chemical Composition		
Aluminium	Al %	0.005 max.
Iron	Fe %	0.200 max.
Ni + Co	Ni% + Co%	2.800 - 4.000
Phosphorus	P %	0.500 max.
Lead	Pb %	2.000 - 3.200
Sulphur	S %	0.050 max.
Antimony	Sb %	0.250 max.
Silicon	Si %	0.005 max.
Tin	Sn %	9.00 - 11.000
Zinc	Zn %	0.250 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 HB	75 min.
Impact in Joule	-

Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
C92900	UNS	USA	Rod, Bar, Tube and Shapes
B30 C92900	ASTM	USA	Ingot and 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