



Material - ISO 1338 CuZn40Pb

Standard Specification for Copper and Copper Alloys - Ingots and Castings

Group - Non-Ferrous Copper Alloy

Sub Group - ISO 1338 Copper and Copper Alloys - Ingots and Castings

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

Grade Belongs to the Industry - Ingot and Casting

Chemical Composition			Heat Treatment	
Aluminium	Al %	0.200 - 0.800	As-Cast	
Iron	Fe %	0.700 max.		
Manganese	Mn %	0.500 max.		
Nickel	Ni %	1.000 max.		
Lead	Pb %	0.500 - 2.500		
Silicon	Si %	0.050 max.		
Tin	Sn %	1.000 max.		
Cu + Ni	Cu%+Ni%	58.000 - 62.000		
Zinc	Zn %	Balance	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	220 - 470
-	-	-	Yield Strength in Mpa	100 - 330
-	-	-	Elongation in %	5 - 40
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in HB	85 - 125
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
DCB3	BS	British	Casting
857B	AS	Australia	Ingot and Casting
C85710	AS	Australia	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

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