Material - AS/NZS 1565 C85400

Standard Specification for Copper and Copper Alloys - Ingot and Casting

Group - Non-Ferrous Copper Alloy

Sub Group - AS/NZS 1565 Copper and Copper Alloys - Ingot and Casting

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 %	0.350 max.		
Iron	Fe %	0.700 max.		
Nickel	Ni %	1.000 max.		
Lead	Pb %	1.500 - 3.800	As-Cast	
Silicon	Si %	0.050 max.		
Tin	Sn %	0.500 - 1.500		
Zinc	Zn %	24.000 - 32.000		
Copper	Cu %	65.000 - 70.000		
-	-	-		
-	-	-	**Mechanical Properties**	
-	-	-	Tensile Strength in Mpa	190 min.
-	-	-	Yield Strength in Mpa	70 min.
-	-	-	Elongation in %	11 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in HB	45 min.
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
C85400	UNS	USA	Rod, Bar, Tube and Shapes
B30 C85400	ASTM	USA	Ingot and Casting
B271 C85400	ASTM	USA	Casting
B584 C85400	ASTM	USA	Casting
C85400	SAE	USA	Casting
CA854	SAE	USA	Casting
CACIn202	KS	Korea	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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