



**GRAVITY CAST PVT. LTD.**  
GRAVITY GROUP OF COMPANIES

## Material - AS 2738 C83700

**Standard Specification for Copper and Copper Alloys - Compositions and Designations of Refinery Products, Wrought Products, Ingots and Castings**

**Group - Non-Ferrous Copper Alloy**

**Sub Group - AS 2738 Copper and Copper Alloys - Compositions and Designations of Refinery Products, Wrought Products, 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 %	0.005 max.	As-Cast	
Arsenic	As %	0.050 - 0.200		
Iron	Fe %	0.300 max.		
Nickel	Ni %	0.300 max.		
Lead	Pb %	0.500 max.		
Silicon	Si %	0.005 max.		
Tin	Sn %	1.000 max.		
Copper	Cu %	83.000 - 88.000		
Zinc	Zn %	Balance	<b>Mechanical Properties</b>	
-	-	-	Tensile Strength in Mpa	170 min.
-	-	-	Yield Strength in Mpa	80 min.
-	-	-	Elongation in %	18 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in HB	45 min.
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
SCB6	BS	British	Casting
837D	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](mailto:marketing@gravitycastindia.com)**

All information in our data sheets and website is indicative only and is not intended to be a substitute for the full specification from which it is extracted. It is intended to provide typical values to allow comparison between metal alloy option rather than a definitive statement of mechanical performance or suitability for a particular application as these will vary with temperature, product type and product application. It is presented apart from contractual obligations and does not constitute any guarantee of properties or of processing or application possibilities in individual cases. Our warranties and liabilities are stated exclusively in our terms of business.

**ONE STOP SOLUTION FOR METAL PARTS**