



## Material - UNI EN 1982 CuSn15As-C

### Standard Specification for Copper and Copper Alloys - Ingots and Castings

Group - Non-Ferrous Copper Alloy

Sub Group - UNI EN 1982 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 %	0.010 max.	As-Cast	
Arsenic	As %	0.050 - 0.150		
Iron	Fe %	0.150 max.		
Manganese	Mn %	0.100 max.		
Nickel	Ni %	0.100 max.		
Lead	Pb %	0.500 max.		
Silicon	Si %	0.020 max.		
Tin	Sn %	0.300 max.		
Copper	Cu %	83.000 - 88.000		
Zinc	Zn %	Balance	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	160 min.
-	-	-	Yield Strength in Mpa	70 min.
-	-	-	Elongation in %	20 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in HB	45 min.
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
CB760S	BS	British	Ingot and Casting
CC760S	ONORM	Australia	Ingot and Casting
CC760S	BDS	Bulgaria	Ingot and Casting
CC760S	CSN	Czech Republic	Ingot and Casting
CC760S	EN	European Union	Ingot and Casting
CuSn15As-C	AFNOR NF	France	Ingot and Casting
CuSn15As-C	MSZ	Hungary	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)**

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