



## Material - BS EN 1982 CuZn16Si4-B (CB761S)

Standard Specification for Copper and Copper Alloys - Ingot and Casting

Group - Non-Ferrous Copper Alloy

Sub Group - BS EN 1982 Standard Specification for 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 %	0.100 max.	As-Cast			
Nickel	Ni %	1.000 max.				
Lead	Pb %	0.800 max.				
Silicon	Si %	3.000 - 5.000				
Iron	Fe %	0.600 max.				
Manganese	Mn %	0.200 max.				
Phosphorus	P %	0.030 max.				
Antimony	Sb %	0.050 max.				
Tin	Sn %	0.300 max.				
Copper	Cu %	78.000 - 83.000				
Zinc	Zn %	Balance	<th colspan="2">Mechanical Properties</th>		Mechanical Properties	
-	-	-	Tensile Strength in Mpa	400 min.		
-	-	-	Yield Strength in Mpa	230 min.		
-	-	-	Elongation in %	10 min.		
-	-	-	Reduction of Area in %	-		
-	-	-	Hardness in HBW	100 min.		
-	-	-	Impact in Joule	-		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
CC761S	AFNOR NF	France	Ingot and Casting
CC761S	UNE	Spain	Ingot and Casting
CC761S	UNI	Italy	Ingot and Casting
CuZn16Si4-C	DIN	Germany	Ingot and Casting
CuZn16Si4-C	ONORM	Australia	Ingot and Casting
CuZn16Si4-C	MSZ	Hungary	Ingot and Casting
CuZn16Si4-C	AFNOR NF	France	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.