

## Material: DIN EN 1982 CuZn16Si4-C

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

**Group:** Non-Ferrous Copper Alloy

**Sub Group:** DIN 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 %	0.100 max.	As-Cast	
Iron	Fe %	0.600 max.		
Manganese	Mn %	0.200 max.		
Nickel	Ni %	1.000 max.		
Phosphorus	P %	0.030 max.		
Lead	Pb %	0.800 max.		
Antimony	Sb %	0.050 max.		
Silicon	Si %	3.000 - 5.000		
Tin	Sn %	0.300 max.		
Copper	Cu %	78.000 - 83.000	Mechanical Properties	
Zinc	Zn %	Balance	Tensile Strength in Mpa	400 - 500
-	-	-	Yield Strength in Mpa	230 - 340
-	-	-	Elongation in %	5 - 10
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in HB	100 - 190
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
CB761S	BS	British	Ingot and Casting
CC761S	AFNOR NF	France	Ingot and Casting
CC761S	UNE	Spain	Ingot and Casting
CC761S	UNI	Italy	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

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