

Material: BS EN 1982 CuZn16Si4-C (CC761S)

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	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
CB761S	EN	European Union	Ingot and Casting
CB761S	UNE	Spain	Ingot and Casting
CB761S	UNI	Italy	Ingot and Casting
CuZn16Si4-B	DIN	Germany	Ingot and Casting
CuZn16Si4-B	ONORM	Australia	Ingot and Casting
CuZn16Si4-B	MSZ	Hungary	Ingot and Casting
CuZn16Si4-B	AFNOR NF	France	Ingot and Casting

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