

Material: BDS EN 1982 CC499K

Standard Specification for Copper and Copper Alloys - Ingots and Castings

Group: Non-Ferrous Copper Alloy

Sub Group: BDS 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 %	0.020 max.		
Bismuth	Bi %	0.020 max.		
Cadmium	Cd %	0.020 max.		
Chromium	Cr %	0.020 max.		
Iron	Fe %	0.300 max.		
Nickel	Ni %	0.100 - 0.600		
Phosphorus	P %	0.040 max.		
Lead	Pb %	0.200 - 3.000		
Sulphur	S %	0.040 max.		
Antimony	Sb %	0.100 max.	Mechanical Properties	
Silicon	Si %	0.010 max.	Tensile Strength in Mpa	200 - 250
Tin	Sn %	4.000 - 6.000	Yield Strength in Mpa	90 - 110
Zinc	Zn %	4.000 - 6.000	Elongation in %	6 - 13
Copper	Cu %	84.000 - 88.000	Reduction of Area in %	-
			Hardness in HB	60 - 65
			Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
CB499K	BS	British	Ingot and Casting
CC499K	ONORM	Australia	Ingot and Casting
CuSn5Zn5Pb2-C	ONORM	Australia	Ingot and Casting
CuSn5Zn5Pb2-C	BDS	Bulgaria	Ingot and Casting
CC499K	CSN	Czech Republic	Ingot and Casting
CuSn5Zn5Pb2-C	CSN	Czech Republic	Ingot and Casting
CC499K	SFS	Finland	Ingot and Casting

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