

Material: KS D2320 CACIn502

Standard Specification for Copper Alloys Ingot for Casting

Group: Non-Ferrous Copper Alloy

Sub Group: KS D2320 Copper Alloys Ingot for Casting

Application: Intended for Valve, Pump, General Engineering, Automotive and Other Industries Grade

Belongs to the Industry: Ingot and Casting

Chemical Composition		
Aluminium	Al %	0.005 max.
Iron	Fe %	0.200 max.
Nickel	Ni %	0.500 max.
Phosphorus	P %	0.100 max.
Lead	Pb %	0.300 max.
Antimony	Sb %	0.050 max.
Silicon	Si %	0.005 max.
Tin	Sn %	9.000 - 12.000
Zinc	Zn %	0.300 max.
Copper	Cu %	87.000 - 91.000
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Cast

Mechanical Properties	
Tensile Strength in Mpa	280 min.
Yield Strength in Mpa	160 min.
Elongation in %	10 min.
Reduction of Area in %	-
Hardness in HB	80 min.
Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
C90700	UNS	USA	Rod, Bar, Tube and Shapes
B30 C90700	ASTM	USA	Ingot and Casting
B427 C90700	ASTM	USA	Casting
B505 C90700	ASTM	USA	Casting
SB-505 C90700	ASME	USA	Casting
CA907	SAE	USA	Casting
SAE 65	SAE	USA	Casting

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