

Material: KS D2320 CACIn702

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			Heat Treatment															
Aluminium	Al %	8.000 - 10.500	As-Cast or Solution Annealing or Annealing															
Iron	Fe %	2.500 - 5.000																
Manganese	Mn %	0.100 - 1.500																
Nickel	Ni %	1.000 - 3.000																
Lead	Pb %	0.100 max.																
Tin	Sn %	0.100 max.																
Zinc	Zn %	0.500 max.																
Copper	Cu %	80.000 min.																
-	-	-	<table border="1"> <thead> <tr> <th colspan="2">Mechanical Properties</th> </tr> </thead> <tbody> <tr> <td>Tensile Strength in Mpa</td> <td>586 - 655</td> </tr> <tr> <td>Yield Strength in Mpa</td> <td>221 - 310</td> </tr> <tr> <td>Elongation in %</td> <td>10 - 12</td> </tr> <tr> <td>Reduction of Area in %</td> <td>-</td> </tr> <tr> <td>Hardness in BHN</td> <td>-</td> </tr> <tr> <td>Impact in Joule</td> <td>-</td> </tr> </tbody> </table>		Mechanical Properties		Tensile Strength in Mpa	586 - 655	Yield Strength in Mpa	221 - 310	Elongation in %	10 - 12	Reduction of Area in %	-	Hardness in BHN	-	Impact in Joule	-
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
C95410	UNS	USA	Rod, Bar, Tube and Shapes
B148 C95410	ASTM	USA	Casting
B271 C95410	ASTM	USA	Casting
B30 C95410	ASTM	USA	Ingot and Casting
B505 C95410	ASTM	USA	Casting
SB-148 C95410	ASME	USA	Casting
SB-505 C95410	ASME	USA	Casting

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