

Material: KS D2320 CACIn406

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 %	0.005 max.	As-Cast													
Iron	Fe %	0.300 max.														
Nickel	Ni %	0.800 max.														
Phosphorus	P %	0.030 max.														
Lead	Pb %	4.000 - 6.000														
Antimony	Sb %	0.200 max.														
Silicon	Si %	0.005 max.														
Tin	Sn %	4.000 - 6.000														
Zinc	Zn %	4.000 - 6.000														
Copper	Cu %	83.000 - 87.000														
-	-	-	Mechanical Properties <table border="1"> <tr> <td>Tensile Strength in Mpa</td> <td>250 min.</td> </tr> <tr> <td>Yield Strength in Mpa</td> <td>110 min.</td> </tr> <tr> <td>Elongation in %</td> <td>13 min.</td> </tr> <tr> <td>Reduction of Area in %</td> <td>-</td> </tr> <tr> <td>Hardness in HB</td> <td>65 min.</td> </tr> <tr> <td>Impact in Joule</td> <td>-</td> </tr> </table>		Tensile Strength in Mpa	250 min.	Yield Strength in Mpa	110 min.	Elongation in %	13 min.	Reduction of Area in %	-	Hardness in HB	65 min.	Impact in Joule	-
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
C93600	UNS	USA	Rod, Bar, Tube and Shapes
B30 C93600	ASTM	USA	Ingot and Casting
B66 C93600	ASTM	USA	Casting
B271 C93600	ASTM	USA	Casting
B505 C93600	ASTM	USA	Casting
SB-271 C93600	ASME	USA	Casting
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