

Material: ASTM B30 C95520

Standard Specification for Copper Alloys Ingot and Casting

Group: Non-Ferrous Copper Alloy

Sub Group: ASTM B30 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 %	10.500 - 11.500	As-Cast or Solution Annealing or Annealing															
Cobalt	Co %	0.200 max.																
Chromium	Cr %	0.050 max.																
Iron	Fe %	4.000 - 5.500																
Manganese	Mn %	1.500 max.																
Nickel	Ni %	4.200 - 6.000																
Lead	Pb %	0.030 max.																
Silicon	Si %	0.150 max.																
Tin	Sn %	0.250 max.																
Zinc	Zn %	0.300 max.																
Copper	Cu %	74.500 min.	<table border="1"> <thead> <tr> <th colspan="2">Mechanical Properties</th> </tr> </thead> <tbody> <tr> <td>Tensile Strength in Mpa</td> <td>862 min.</td> </tr> <tr> <td>Yield Strength in Mpa</td> <td>655 min.</td> </tr> <tr> <td>Elongation in %</td> <td>3 min.</td> </tr> <tr> <td>Reduction of Area in %</td> <td>-</td> </tr> <tr> <td>Hardness in HB</td> <td>262 min.</td> </tr> <tr> <td>Impact in Joule</td> <td>-</td> </tr> </tbody> </table>		Mechanical Properties		Tensile Strength in Mpa	862 min.	Yield Strength in Mpa	655 min.	Elongation in %	3 min.	Reduction of Area in %	-	Hardness in HB	262 min.	Impact in Joule	-
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
C95520	UNS	USA	Rod, Bar, Tube and Shapes
B271 C95520	ASTM	USA	Casting
B505 C95520	ASTM	USA	Casting
SB-148 C95520	ASME	USA	Casting
78Cu-11Al-5.1Ni-4.8Fe	SAE	USA	Casting
-	-	-	-
-	-	-	-

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