Material: ASME SB-283 C64200

Standard Specification for Copper and Copper-Alloy Die Forgings

Group: *Non-Ferrous Copper Alloy*
Sub Group: *ASME SB-283 Copper and Copper-Alloy Die Forgings*
Application: *Intended for Valve, Pump, General Engineering, Automotive and Other Industries Grade*
Belongs to the Industry: *Forging*

Chemical Composition		
Aluminium	Al %	6.300 - 7.600
Arsenic	As %	0.090 max.
Iron	Fe %	0.300 max.
Manganese	Mn %	0.100 max.
Ni + Co	Ni% + Co%	0.250 max.
Lead	Pb %	0.050 max.
Silicon	Si %	1.500 - 2.200
Tin	Sn %	0.200 max.
Zinc	Zn %	0.500 max.
Copper	Cu %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As Drawn or Stress Relieving or Hot Rolled

Mechanical Properties	
Tensile Strength in Mpa	469 - 483
Yield Strength in Mpa	156 - 172
Elongation in %	30 - 35
Reduction of Area in %	-
Hardness in BHN	-
Impact in Joule	-

Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
C64200	UNS	USA	Rod, Bar, Tube and Shapes
B124 C64200	ASTM	USA	Rod, Bar and Shape
B283 C64200	ASTM	USA	Forging
SB-150 C64200	ASME	USA	Rod, Bar and Shape
4264	SAE	USA	Rod, Bar and Forging
4633	SAE	USA	Rod, Bar and Forging
4634	SAE	USA	Rod, Bar and Forging

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