

Material: SAE AMS 7322G 80Cu-19Sn

Standard Specification for Rings, Sealing, Cast Tin Bronze Casting

Group: Non-Ferrous Copper Alloy

Sub Group: SAE AMS 7322G Rings, Sealing, Cast Tin Bronze Casting

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

Belongs to the Industry: Casting

Chemical Composition			Heat Treatment	
Aluminium	Al %	0.005 max.	As-Cast	
Iron	Fe %	0.250 max.		
Ni + Co	Ni% + Co%	0.500 max.		
Phosphorus	P %	1.000 max.		
Lead	Pb %	0.250 max.		
Sulphur	S %	0.050 max.		
Antimony	Sb %	0.200 max.		
Silicon	Si %	0.005 max.		
Tin	Sn %	18.000 - 20.000		
Zinc	Zn %	0.250 max.		
Copper	Cu %	79.000 - 82.000		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
			Mechanical Properties	
			Tensile Strength in Mpa	-
			Yield Strength in Mpa	-
			Elongation in %	-
			Reduction of Area in %	-
			Hardness in HR	85 - 92
			Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
C91300	UNS	USA	Rod, Bar, Tube and Shapes
B22 C91300	ASTM	USA	0
B505 C91300	ASTM	USA	Casting
SB-505 C91300	ASME	USA	Casting
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-	-	-	-
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