

Material: UNS J22500

Standard Specification for Alloy Steel Casting

Group: Ferrous Mild Steel Alloys

Sub Group: UNS J22500 Alloy Steel Casting

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

Grade Belongs to the Industry: Casting

Chemical Composition			Heat Treatment	
Carbon	C %	0.250 max.	Normalizing + Tempering or Hardening + Tempering	
Silicon	Si %	0.600 max.		
Manganese	Mn %	0.500 - 0.800		
Phosphorus	P %	0.040 max.		
Sulphur	S %	0.045 max.		
Nickel	Ni %	2.000 - 3.000		
Iron	Fe %	Balance		
-	-	-	Mechanical Properties Tensile Strength in Mpa 485 - 655 Yield Strength in Mpa 275 min. Elongation in % 24 min. 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
SA-352 LC2	ASME	USA	Casting
1.5635	DIN	Germany	Steel
G22Ni10	UNI	Italy	Casting
G9Ni10	AFNOR NF	France	Casting
SCPL 21	JIS	Japan	Casting
F.8373	UNE	Spain	Casting
A352 LC2	ASTM	USA	Casting

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