

Material: UNI G22Ni10

Standard Specification for Low Alloy Steel With Low Temperature Toughness for Castings Subject to Pressure

Group: Ferrous Mild Steel Alloys

Sub Group: UNI G22Ni10 Low Alloy Steel With Low Temperature Toughness for Castings Subject to Pressure

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 %	0.800 max.		
Phosphorus	P %	0.035 max.		
Sulphur	S %	0.035 max.		
Nickel	Ni %	2.000 - 3.000		
Iron	Fe %	Balance		
-	-	-	Mechanical Properties Tensile Strength in Mpa 440 min. Yield Strength in Mpa 275 min. Elongation in % 21 min. Reduction of Area in % - Hardness in BHN - Impact in Joule -	
-	-	-		
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-	-	-		
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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
J22500	UNS	USA	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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