

Material: UNI G9Ni10

Standard Specification for Alloy Steel Casting

Group: Ferrous Stainless Steel Alloys

Sub Group: UNI G9Ni10 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 %	0.060 - 0.120	Normalizing or Annealing or Hardening + Tempering	
Silicon	Si %	0.600 max.		
Manganese	Mn %	0.500 - 0.800		
Phosphorus	P %	0.020 max.		
Sulphur	S %	0.015 max.		
Chromium	Cr %	0.300 max.		
Nickel	Ni %	2.000 - 3.000		
Molybdenum	Mo %	0.150 max.		
Vanadium	V %	0.050 max.		
Copper	Cu %	0.300 max.		
Iron	Fe %	Balance	Mechanical Properties Tensile Strength in Mpa 480 - 630 Yield Strength in Mpa 280 min. Elongation in % 24 min. Reduction of Area in % 35 min. Hardness in BHN - Impact in Joule -	
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
24 Ni 8	DIN	Germany	Steel
G 9 Ni 10	EN	European Union	Casting
SCPL 21	JIS	Japan	Casting
G9Ni10	UNS	USA	Casting
AH 60	MSZ	Hungary	Steel
A757 B2N B2Q	ASTM	USA	Casting
20 N 8	AFNOR NF	France	Steel

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