

Material: UNI G9Ni14

Standard Specification for Alloy Steel Casting

Group: Ferrous Mild Steel Alloys

Sub Group: UNI G9Ni14 Alloy Steel Casting

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

Grade Belongs to the Industry: Steel

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 %	3.000 - 4.000		
Molybdenum	Mo %	0.150 max.		
Vanadium	V %	0.050 max.		
Copper	Cu %	0.300 max.		
Iron	Fe %	Balance	Mechanical Properties Tensile Strength in Mpa 500 - 650 Yield Strength in Mpa 360 min. Elongation in % 20 min. Reduction of Area in % - Hardness in BHN - Impact in Joule 27 J @ RT	
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
BL2	BS	British	Casting
GS-10 Ni 14	DIN	Germany	Casting
G 9 Ni 14	EN	European Union	Casting
SCPL 31	JIS	Japan	Casting
Ao 10 Ni 14	MSZ	Hungary	Casting
J31550	UNS	USA	Casting
A757 B2N B2Q	ASTM	USA	Casting

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