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		
Carbon	C %	0.060 - 0.120
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
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
Normalising or Annealing or Hardening + Tempering

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

Further any inquiry to discuss with Gravity Cast Pvt. Ltd. – Gravity Group of Companies team member Call on +918469160029, or email marketing@gravitycastindia.com

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