

Material: DIN GS-10 Ni 14

Standard Specification for Steel casting for use at low temperature

Group: Ferrous Mild Steel Alloys

Sub Group: DIN GS-10 Ni 14 Steel casting for use at low temperature

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

Grade Belongs to the Industry: Casting

Chemical Composition		
Carbon	C %	0.0600 - 0.120
Silicon	Si %	0.600 max.
Manganese	Mn %	0.500 - 0.800
Phosphorus	P %	0.015 max.
Sulphur	S %	0.015 max.
Nickel	Ni %	3.000 - 3.800
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
Normalizing 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	55 - 60 J @ RT

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
BL2	BS	British	Casting
G 9 Ni 14	EN	European Union	Casting
SCPL 31	JIS	Japan	Casting
Ao 10 Ni 14	MSZ	Hungary	Casting
G9Ni14	UNI	Italy	Steel
J31550	UNS	USA	Casting
A757 B2N B2Q	ASTM	USA	Casting

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