



Material - PN LH 19 N 14 G

Standard Specification for Heat Resistant Alloy Steel Castings

Group - Ferrous Stainless Steel Alloys

Sub Group - PN LH 19 N 14 G Alloy Steel Casting for Heat Resistant

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.	Solution Annealing	
Silicon	Si %	1.500 max.		
Manganese	Mn %	1.000 max.		
Phosphorus	P %	0.040 max.		
Sulphur	S %	0.035 max.		
Chromium	Cr %	18.000 - 20.000		
Nickel	Ni %	13.000 - 15.000		
Iron	Fe %	Balance		
-	-	-	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	420 min.
-	-	-	Yield Strength in Mpa	-
-	-	-	Elongation in %	-
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in HB	250 - 350
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
SA-351 CF10MC	ASME	USA	Casting
20CH20N14S2L	GOST	Russia	Casting
GX25CrNiSi 20-14	DIN	Germany	Casting
A351 CF10MC	ASTM	USA	Casting
1.4832	DIN	Germany	Casting
7806 Grade 13	IS	India	Casting
J92971	UNS	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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