

# Material: GOST 20Ch20N14S2L

## Standard Specification for Heat Resistant Alloy Steel and Nickel Base Castings

**Group:** Ferrous Stainless Steel Alloys

**Sub Group:** GOST 20Ch20N14S2L Alloy Steel and Nickel Base Casting for Heat Resistant

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

**Grade Belongs to the Industry:** Casting

Chemical Composition		
Carbon	C %	0.200 max.
Silicon	Si %	2.000 - 3.000
Manganese	Mn %	1.500 max.
Phosphorus	P %	0.035 max.
Sulphur	S %	0.025 max.
Chromium	Cr %	19.000 - 22.000
Nickel	Ni %	12.000 - 15.000
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
Solution Annealing

Mechanical Properties	
Tensile Strength in Mpa	440 min.
Yield Strength in Mpa	230 min.
Elongation in %	10 min.
Reduction of Area in %	-
Hardness in BHN	-
Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
SA-351 Grade CF10MC	ASME	USA	Casting
GX25CrNiSi 20-14	DIN	Germany	Casting
LH 19 N 14 G	PN	Poland	Casting
1.4832	DIN	Germany	Casting
A351 CF10MC	ASTM	USA	Casting
7806 Grade 13	IS	India	Casting
J92971	UNS	USA	Casting

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