

Material: UNS J92604

Standard Specification for Casting Austenitic, for Pressure-Containing Parts

Group: Ferrous Stainless Steel Alloys

Sub Group: UNS J92604 Casting Austenitic, for Pressure-Containing Parts

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

Grade Belongs to the Industry: Casting

Chemical Composition			Heat Treatment	
Carbon	C %	0.070 - 0.110	Solution Annealing	
Silicon	Si %	0.700 max.		
Manganese	Mn %	3.000 - 5.000		
Phosphorus	P %	0.040 max.		
Sulphur	S %	0.030 max.		
Chromium	Cr %	18.500 - 21.000		
Nickel	Ni %	11.500 - 13.500		
Molybdenum	Mo %	0.250 - 0.450		
Copper	Cu %	0.500 max.		
Nitrogen	N %	0.200 - 0.300		
Iron	Fe %	Balance	Mechanical Properties Tensile Strength in Mpa 525 min. Yield Strength in Mpa 225 min. Elongation in % 20 min. Reduction of Area in % - Hardness in BHN - Impact in Joule -	
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
LH 19 N 14 G	PN	Poland	Casting
1.4832	DIN	Germany	Casting
19 Cr12 Ni 4 Mn	Common	-	Casting
S30409	UNS	USA	General Corrosive Service
A 297 HG10MnN	ASTM	USA	Casting
A743 HG10MnN	ASTM	USA	Casting
A351 HG10MnN	ASTM	USA	Casting

Disclaimer: All information displayed in our data sheets are for reference purpose only and are sole property of their respective owners. Information and or material are used for educational purposes only. Data at actual may vary at actual and case to case basis. ICAST Alloys LLP does not guarantee validity of these parameters. Warranties and liabilities are exclusive to our terms and conditions of business.

Customer Care: +91-99090 45075 Email: info@icastllp.com