

## Material: UNS N08151

### Standard Specification for Cast Iron Nickel Chromium Columbium Austenitic Stainless Steel Casting

**Group:** Ferrous Stainless Steel Alloys

**Sub Group:** UNS N08151 Cast Iron Nickel Chromium Columbium Austenitic Stainless Steel Casting

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

**Grade Belongs to the Industry:** Casting

Chemical Composition		
Carbon	C %	0.050 - 0.150
Silicon	Si %	0.500 - 1.500
Manganese	Mn %	0.150 - 1.500
Phosphorus	P %	0.030 max.
Sulphur	S %	0.030 max.
Chromium	Cr %	19.000 - 21.000
Nickel	Ni %	31.000 - 34.000
Niobium	Nb %	0.500 - 1.500
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment	
Soft Annealing, Cast	

Mechanical Properties	
Tensile Strength in Mpa	435 min.
Yield Strength in Mpa	170 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
1.4859	DIN	Germany	Casting
G X 40 NiCrSiNb 38-18	DIN	Germany	Casting
G X 10 NiCrNb 32-20	DIN	Germany	Casting
SA-351 CT15C	ASME	USA	Casting
N08004	UNS	USA	Casting
1.4849	DIN	Germany	Casting
A351 CT15C	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](mailto:info@icastllp.com)



+91-99090 45075



[info@icastllp.com](mailto:info@icastllp.com)



ICAST ALLOYS LLP, Plot 2527, Road H1, Kranti Gate, GIDC Metoda, Lodhika, Rajkot-360021, Gujarat, India