



## Material - ASTM A351 CT15C

**Standard Specification for Castings, Austenitic, for Pressure-Containing Parts**

**Group - Ferrous Stainless Steel Alloys**

**Sub Group - ASTM A351 / 351M Castings, Austenitic, for Pressure-Containing Parts**

**Application - Intended for Valves, Pumps, General Engineering, Automobile and Other Industries**

**Grade Belongs to the Industry - Casting**

Chemical Composition			Heat Treatment	
Carbon	C %	0.050 - 0.150	Solution Annealing	
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	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
SA-351 CT15C	ASTM	USA	Casting
1.4859	DIN	Germany	Casting
G X 40NiCrSiNb 38-18	DIN	Germany	Casting
G X 10 NiCrNb 32-20	DIN	Germany	Casting
N08151	UNS	USA	Casting
N08004	UNS	USA	Casting
1.4849	DIN	Germany	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](mailto:marketing@gravitycastindia.com)**

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