

# Material: ASTM A351 CF10MC

## 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 %	0.100 max.	Solution Annealing	
Silicon	Si %	1.500 max.		
Manganese	Mn %	1.500 max.		
Phosphorus	P %	0.040 max.		
Sulphur	S %	0.040 max.		
Chromium	Cr %	15.000 - 18.000		
Nickel	Ni %	13.000 - 16.000		
Molybdenum	Mo %	1.750 - 2.250		
Other	Ot %	10*C - 1.200		
Iron	Fe %	Balance		
-	-	-	<b>Mechanical Properties</b> Tensile Strength in Mpa      485 min. Yield Strength in Mpa      205 min. Elongation in %      20 min. Reduction of Area in %      - Hardness in BHN      - Impact in Joule      -	
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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
LH 19 N 14 G	PN	Poland	Casting
1.4832	DIN	Germany	Casting
7806 Grade 13	IS	India	Casting
J92971	UNS	USA	Steel

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