

Material - AFNOR NF 10 CD 9.10

Standard Specification for steel forgings for boilers and pressure vessels - grades and types Group - Ferrous Mild Steel Alloys

Sub Group - AFNOR NF 10 CD 9.10 steel forgings for boilers and pressure vessels - grades and types Application - Intended for Valve, Pump, General Engineering, Automotive and Other Industries Grade Belongs to the Industry - Forging

Chemical Composition			Heat Treatment	
Carbon	C %	0.150 max.		
Silicon	Si %	0.350 max.	Normalising or Annealing or Hardening + Tempering	
Manganese	Mn %	0.300 - 0.600		
Phosphorus	P %	0.020 max.		
Sulphur	S %	0.015 max.		
Chromium	Cr %	2.000 - 2.500		
Molybdenum	Mo %	0.900 - 1.100		
Vanadium	V %	0.040 max.		
Copper	Cu %	0.250 max.	Mechanical Properties	
Vanadium	V %	0.050 max.	Tensile Strength in Mpa	520 - 670
Nickel	Ni %	0.400 max.	Yield Strength in Mpa	310 min.
Iron	Fe %	Balance	Elongation in %	18 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in BHN	-
-	-	-	Impac <mark>t in Joule</mark>	28 J @ RT

Cross Reference Table				
Material	Standard	Country	Grade Belong to the Industry	
J22090	UNS	USA	Casting	
1.7379	DIN	Germany	Forging	
1.7383	EN	European Union	Forging	
622	BS	British	Bar	
GS 18 CrMo 9 10	ONORM	Australia	Steel	
8 CrMoNiNb 9-10	DIN	Germany	Steel	
A757 D1N1 D1Q1	ASTM	USA	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

All information in our data sheets and website is indicative only and is not intended to be a substitute for the full specification from which it is extracted. It is intended to provide typical values to allow comparison between metal alloy option rather than a definitive statement of mechanical performance or suitability for a particular application as these will vary with temperature, product type and product application. It is presented apart from contractual obligations and does not constitute any guarantee of properties or of processing or application possibilities in individual cases. Our warranties and liabilities are stated exclusively in our terms of business.

ONE STOP SOLUTION FOR METAL PARTS