

# Material: AFNOR NF TS 15 CD 2-05

## Standard Specification for Longitudinally Fusion Unalloyed and Ferritic Alloyed Steel Tubes for Use at Elevated Temperatures

**Group:** Ferrous Mild Steel Alloys

**Sub Group:** AFNOR NF TS 15 CD 2-05 Longitudinally Fusion Unalloyed and Ferritic Alloyed Steel Tubes for Use at Elevated Temperatures

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

**Grade Belongs to the Industry:** Tube

Chemical Composition			Heat Treatment	
Carbon	C %	0.100 - 0.180	Normalizing or Annealing or Hardening + Tempering	
Silicon	Si %	0.100 - 0.350		
Manganese	Mn %	0.500 - 0.900		
Phosphorus	P %	0.030 max.		
Sulphur	S %	0.025 max.		
Chromium	Cr %	0.400 - 0.650		
Nickel	Ni %	0.300 max.		
Molybdenum	Mo %	0.450 - 0.600		
Vanadium	V %	0.040 max.		
Aluminium	Al %	0.025 min.		
Tin	Sn %	0.030 max.	Mechanical Properties	
Iron	Fe %	Balance	Tensile Strength in Mpa	440 - 570
-	-	-	Yield Strength in Mpa	275 min.
-	-	-	Elongation in %	22 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in HV	320 max.
-	-	-	Impact in Joule	-
Cross Reference				
Material	Standard	Country		
12 MCh	GOST	Russia		

**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)