

Material: AFNOR NF 10 CD 9-10

Standard Specification for Iron and Steel Products, Steel Plates for Boilers and Pressure Vessels

Group: Ferrous Mild Steel Alloys

Sub Group: AFNOR NF 10 CD 9-10 NF A 36-206 Iron and Steel Products, Steel Plates for Boilers and Pressure Vessels

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

Grade Belongs to the Industry: Plate

Chemical Composition

Carbon	C %	0.150 max.
Silicon	Si %	0.350 max.
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
Copper	Cu %	0.250 max.
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment

Normalizing or Annealing or Hardening + Tempering

Mechanical Properties

Tensile Strength in Mpa	520 - 670
Yield Strength in Mpa	310 min.
Elongation in %	18 min.
Reduction of Area in %	-
Hardness in BHN	-
Impact in Joule	35 J @ RT

Cross Reference Table

Material	Standard	Country	Grade Belong to the Industry
1.7375	DIN	Germany	Tube
1.7380	EN	European Union	Bar, Plate and Forging
J22090	UNS	USA	Casting
10 CrMo 10	STAS	Romania	Tube
10 CrMo 9-10	MSZ	Hungary	Bar, Tube and Forging
10 CrMo 9-10	BS	British	Steel
A356 10	ASTM	USA	Casting

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