

Material: DIN 11 CrMo 9-10

Standard Specification for Seamless Steel Tubes for Pressure Purposes

Group: Ferrous Mild Steel Alloys

Sub Group: DIN 11 CrMo 9-10 Seamless Steel Tubes for Pressure Purposes

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

Grade Belongs to the Industry: Steel and Flat

Chemical Composition			Heat Treatment	
Carbon	C %	0.080 - 0.150	Quenching + Tempering	
Silicon	Si %	0.500 max.		
Manganese	Mn %	0.400 - 0.800		
Phosphorus	P %	0.020 max.		
Sulphur	S %	0.010 max.		
Chromium	Cr %	2.000 - 2.500		
Molybdenum	Mo %	0.900 - 1.100		
Copper	Cu %	0.250 max.		
Nitrogen	N %	0.012 max.		
Iron	Fe %	Balance		
-	-	-	Mechanical Properties Tensile Strength in Mpa 450 - 680 Yield Strength in Mpa 265 min. Elongation in % 17 min. Reduction of Area in % - Hardness in BHN - Impact in Joule 27 J @ RT	
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
10216-2	BS	British	Steel and Flat
1.7383	DIN	Germany	Steel and Flat
1.7383	DIN	Germany	Steel and Flat
11CrMo9-10	AFNOR NF	France	Steel and Flat
11CrMo9-10	BS	British	Steel and Flat
11CrMo9-10	ISO	International	Steel and Tube
11CrMo9-10	UNI	Italy	Steel and Flat

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