

Material: ISO 11 CrMo 9-10

Standard Specification for Seamless Steel Tubes for Pressure Purposes

Group: Ferrous Mild Steel Alloys

Sub Group: ISO 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 Tube

Chemical Composition		
Carbon	C %	0.080 - 0.150
Silicon	Si %	0.150 - 0.400
Manganese	Mn %	0.300 - 0.700
Phosphorus	P %	0.035 max.
Sulphur	S %	0.030 max.
Chromium	Cr %	2.000 - 2.500
Molybdenum	Mo %	0.900 - 1.200
Aluminium	Al %	0.020 max.
Copper	Cu %	0.250 max.
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
Quenching + Tempering

Mechanical Properties	
Tensile Strength in Mpa	480 - 630
Yield Strength in Mpa	280 min.
Elongation in %	20 min.
Reduction of Area in %	-
Hardness in BHN	-
Impact in Joule	27 J @ RT

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	UNI	Italy	Steel and Flat
11CrMo9-10	DIN	Germany	Steel and Flat

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