

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			Heat Treatment	
Carbon	C %	0.080 - 0.150	Quenching + Tempering	
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	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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