

Material: UNI 25 CrMo 4

Standard Specification for Seamless Steel Tubes for Pressure Purposes

Group: Ferrous Mild Steel Alloys

Sub Group: UNI 25 CrMo 4 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 %	0.220 - 0.290	Quenching + Tempering	
Silicon	Si %	0.350 max.		
Manganese	Mn %	0.500 - 0.800		
Phosphorus	P %	0.035 max.		
Sulphur	S %	0.035 max.		
Chromium	Cr %	0.800 - 1.200		
Molybdenum	Mo %	0.150 - 0.250		
Iron	Fe %	Balance		
-	-	-	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	540 - 1400
-	-	-	Yield Strength in Mpa	345 - 440
-	-	-	Elongation in %	4 min.
-	-	-	Reduction of Area in %	50 min.
-	-	-	Hardness in HB	176 - 331
-	-	-	Impact in Joule	22 J @ RT

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
10216-2	BS	British	Steel and Tube
1.7218	EN	European Union	Steel and Tube
1.7218	DIN	Germany	Steel and Tube
25 CrMo 4	AFNOR NF	France	Steel and Flat
25 CrMo 4	BS	British	Steel
25 CrMo 4	DIN	Germany	Steel
25 CrMo 4	ISO	International	Steel and Tube

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