

Material: DIN 1.4982

Standard Specification for Seamless Steel Tubes for Pressure Purposes

Group: Ferrous Stainless Steel Alloys

Sub Group: DIN 1.4982 Seamless Steel Tubes for Pressure Purposes

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

Grade Belongs to the Industry: Steel

Chemical Composition			Heat Treatment	
Carbon	C %	0.060 - 0.150	Solution Annealing	
Silicon	Si %	0.200 - 1.000		
Manganese	Mn %	5.500 - 7.000		
Phosphorus	P %	0.035 max.		
Sulphur	S %	0.015 max.		
Chromium	Cr %	14.000 - 16.000		
Molybdenum	Mo %	0.800 - 1.200		
Nickel	Ni %	9.000 - 11.000		
Niobium	Nb %	0.750 - 1.250		
Vanadium	V %	0.150 - 0.400		
			Mechanical Properties	
Boron	B %	0.003 - 0.009	Tensile Strength in Mpa	540 - 850
Iron	Fe %	Balance	Yield Strength in Mpa	220 min.
-	-	-	Elongation in %	25 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in BHN	-
-	-	-	Impact in Joule	50 J @ RT

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
10216-5 EN 1.4982	BS	British	Tube
1.4982	EN	European Union	Steel
X10CrNiMoMnNbVB15101	EN	European Union	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