

Material: BS 10216-2 EN 1.7218

Standard Specification for Seamless Steel Tubes for Pressure Purposes

Group: Ferrous Mild Steel Alloys

Sub Group: BS 10216-2 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 %	0.400 max.																
Manganese	Mn %	0.600 - 0.900																
Phosphorus	P %	0.025 max.																
Sulphur	S %	0.020 max.																
Chromium	Cr %	0.900 - 1.200																
Nickel	Ni %	0.300 max.																
Molybdenum	Mo %	0.150 - 0.300																
Aluminium	Al %	0.040 max.																
Copper	Cu %	0.300 max.																
Iron	Fe %	Balance	<table border="1"> <thead> <tr> <th colspan="2">Mechanical Properties</th> </tr> </thead> <tbody> <tr> <td>Tensile Strength in Mpa</td> <td>540 - 690</td> </tr> <tr> <td>Yield Strength in Mpa</td> <td>345 min.</td> </tr> <tr> <td>Elongation in %</td> <td>15 min.</td> </tr> <tr> <td>Reduction of Area in %</td> <td>-</td> </tr> <tr> <td>Hardness in BHN</td> <td>-</td> </tr> <tr> <td>Impact in Joule</td> <td>27 min. @ RT</td> </tr> </tbody> </table>		Mechanical Properties		Tensile Strength in Mpa	540 - 690	Yield Strength in Mpa	345 min.	Elongation in %	15 min.	Reduction of Area in %	-	Hardness in BHN	-	Impact in Joule	27 min. @ RT
Mechanical Properties																		
Tensile Strength in Mpa	540 - 690																	
Yield Strength in Mpa	345 min.																	
Elongation in %	15 min.																	
Reduction of Area in %	-																	
Hardness in BHN	-																	
Impact in Joule	27 min. @ RT																	
-	-	-																
-	-	-																
-	-	-																
-	-	-																

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
1.7218	DIN	Germany	Steel and Tube
1.7218	DIN	Germany	Steel and Tube
25CrMo4	AFNOR NF	France	Steel and Tube
25CrMo4	BS	British	Steel
25CrMo4	DIN	Germany	Steel
25CrMo4	ISO	International	Steel
25CrMo4	UNI	Italy	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