

Material: BS 10216-2 EN 1.7335

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 %	0.100 - 0.170	Normalising + Tempering															
Silicon	Si %	0.350 max.																
Manganese	Mn %	0.400 - 0.700																
Phosphorus	P %	0.025 max.																
Sulphur	S %	0.020 max.																
Chromium	Cr %	0.700 - 1.150																
Nickel	Ni %	0.300 max.																
Molybdenum	Mo %	0.400 - 0.600																
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>440 - 590</td> </tr> <tr> <td>Yield Strength in Mpa</td> <td>290 min.</td> </tr> <tr> <td>Elongation in %</td> <td>20 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	440 - 590	Yield Strength in Mpa	290 min.	Elongation in %	20 min.	Reduction of Area in %	-	Hardness in BHN	-	Impact in Joule	27 min. @ RT
Mechanical Properties																		
Tensile Strength in Mpa	440 - 590																	
Yield Strength in Mpa	290 min.																	
Elongation in %	20 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
J12072	UNS	USA	Casting
SA-217 Grade WC6	ASME	USA	Casting
G 17 CrMo 5-5	AFNOR NF	France	Casting
A426 Grade CP11	ASTM	USA	Steel
621	BS	British	Plate
G S 17 CrMo 5-5	DIN	Germany	Casting
A S 17 CrMo 5-5	EN	European Union	Casting

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