

Material: BS 10216-2 EN 1.7338

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 %	0.150 max.	Normalising + Tempering															
Silicon	Si %	0.500 - 1.000																
Manganese	Mn %	0.300 - 0.600																
Phosphorus	P %	0.025 max.																
Sulphur	S %	0.020 max.																
Chromium	Cr %	1.000 - 1.500																
Nickel	Ni %	0.300 max.																
Molybdenum	Mo %	0.450 - 0.650																
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>410 - 560</td> </tr> <tr> <td>Yield Strength in Mpa</td> <td>275 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	410 - 560	Yield Strength in Mpa	275 min.	Elongation in %	20 min.	Reduction of Area in %	-	Hardness in BHN	-	Impact in Joule	27 min. @ RT
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
621	BS	British	Steel, Tube and Plate
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

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