



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	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	
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		

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

Further any inquiry to discuss with Gravity Cast Pvt. Ltd. – Gravity Group of Companies team member Call on +918469160029, or email marketing@gravitycastindia.com

All information in our data sheets and website is indicative only and is not intended to be a substitute for the full specification from which it is extracted. It is intended to provide typical values to allow comparison between metal alloy option rather than a definitive statement of mechanical performance or suitability for a particular application as these will vary with temperature, product type and product application. It is presented apart from contractual obligations and does not constitute any guarantee of properties or of processing or application possibilities in individual cases. Our warranties and liabilities are stated exclusively in our terms of business.