



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

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

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