

Material: BS EN 10213 G20Mn5

Standard Specification for Steel Castings for Pressure Purposes

Group: Ferrous Mild Steel Alloys

Sub Group: BS EN 10213 G20Mn5 Steel Castings for Pressure Purposes

Application: Intended for Valve, Pump, General Engineering, Automotive and Other Industries

Grade Belongs to the Industry: Plate, Tubes and Forging

Chemical Composition			Heat Treatment	
Carbon	C %	0.170 - 0.230	Normalizing or Quenching or Solution Annealing	
Silicon	Si %	0.600 max.		
Manganese	Mn %	1.000 - 1.600		
Phosphorus	P %	0.020 max.		
Sulphur	S %	0.020 max.		
Chromium	Cr %	0.300 max.		
Molybdenum	Mo %	0.120 max.		
Nickel	Ni %	0.800 max.		
Copper	Cu %	0.300 max.		
Vanadium	V %	0.030 max.		
Iron	Fe %	Balance	Mechanical Properties Tensile Strength in Mpa 300 min. Yield Strength in Mpa 270 min. Elongation in % - Reduction of Area in % - Hardness in BHN - Impact in Joule -	
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
1.6220	ISO	International	Casting
G20Mn5	ISO	International	Casting
GS-20 Mn 5	DIN	Germany	Casting
SCC 3	JIS	Japan	Casting
SCPH 11-CF	JIS	Japan	Casting
SCW 520-CF	JIS	Japan	Casting
SCW 550	JIS	Japan	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