

Material: BS EN 10213 G17MoCrV5-10

Standard Specification for Steel Castings for Pressure Purposes

Group: Ferrous Mild Steel Alloys

Sub Group: BS EN 10213 G17MoCrV5-10 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 %	0.150 - 0.200	Normalizing or Quenching or Solution Annealing	
Silicon	Si %	0.600 max.		
Manganese	Mn %	0.500 - 0.900		
Phosphorus	P %	0.020 max.		
Sulphur	S %	0.015 max.		
Chromium	Cr %	1.200 - 1.500		
Molybdenum	Mo %	0.900 - 1.100		
Nickel	Ni %	0.400 max.		
Copper	Cu %	0.300 max.		
Vanadium	V %	0.200 - 0.300		
			Mechanical Properties	
Tin	Sn %	0.025 max.	Tensile Strength in Mpa	440 min.
Iron	Fe %	Balance	Yield Strength in Mpa	385 min.
-	-	-	Elongation in %	-
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in BHN	-
-	-	-	Impact in Joule	27 J @ RT

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
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Customer Care: +91-99090 45075 Email: info@icastllp.com