Material - BS EN 10213 G24Mn6

Standard Specification for Steel Castings for Pressure Purposes

Group - Ferrous Mild Steel Alloys

Sub Group - BS EN 10213 G24Mn6 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		
Carbon	C %	0.200 - 0.250
Silicon	Si %	0.600 max.
Manganese	Mn %	1.500 - 1.800
Phosphorus	P %	0.020 max.
Sulphur	S %	0.015 max.
Chromium	Cr %	0.300 max.
Molybdenum	Mo %	0.150 max.
Nickel	Ni %	0.400 max.
Copper	Cu %	0.300 max.
Vanadium	V %	0.050 max.
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
Normalizing or Quenching or Solution Annealing

Mechanical Properties	
Tensile Strength in Mpa	500 min.
Yield Strength in Mpa	190 min.
Elongation in %	-
Reduction of Area in %	-
Hardness in BHN	-
Impact in Joule	50 J @ RT

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
G24Mn6	EN	European Union	Casting
G24Mn6	AFNOR NF	France	Casting
G24Mn6	DIN	Germany	Casting
G24Mn6	UNI	Italy	Casting
G24Mn6	PN	Poland	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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