



## Material - UNE GP 240 GH

### Standard Specification for Steel Castings for Pressure Purposes

Group - Ferrous Mild Steel Alloys

Sub Group - UNE GP 240 GH 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 %	0.180 - 0.230	Normalizing or Quenching or Solution Annealing	
Silicon	Si %	0.600 max.		
Manganese	Mn %	0.500 - 1.200		
Phosphorus	P %	0.300 max.		
Sulphur	S %	0.020 max.		
Chromium	Cr %	0.300 max.		
Molybdenum	Mo %	0.120 max.		
Nickel	Ni %	0.400 max.		
Copper	Cu %	0.300 max.		
Vanadium	V %	0.030 max.		
Iron	Fe %	Balance	<b>Mechanical Properties</b> Tensile Strength in Mpa      420 - 600 Yield Strength in Mpa      240 min. Elongation in %      22 min. Reduction of Area in %      - Hardness in HB      - Impact in Joule      27 J @ RT	
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-	-	-		
-	-	-		
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
EN 10213 GP240GH	BS	British	Plate, Tubes and Forging
A 216 Grade WCB	ASTM	USA	Casting
A 420 C-M	AFNOR NF	France	Pump, Valve and Fitting
A 420 M	AFNOR NF	France	Pump, Valve and Fitting
Ao 17 CrMoV	MSZ	Hungary	Plate, Tubes and Forging
SCPH 1	JIS	Japan	Plate, Tubes and Forging
1.0619	EN	European Union	Plate, Tubes and Forging

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

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