GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - Gravity 10G2FBYu Sheet

Standard Specification for Structural and Constructional Steels

Group - Ferrous Mild Steel Alloys

Sub Group - Gravity 10G2FBYu Sheet Structural and Constructional Steels

Application - Intended for Valve, Pump, General Engineering, Automotive and other Industries

Grade Belongs to the Industry - Steel, Bars, Rods, Casting and Forging

Chemical Composition		
Carbon	C %	0.090 - 0.180
Silicon	Si %	0.600 max.
Manganese	Mn %	1.550 - 1.750
Phosphorus	P %	0.040 max.
Sulphur	S %	0.040 max.
Chromium	Cr %	0.300 max.
Nickel	Ni %	0.300 max.
Vanadium	V %	0.600 - 0.120
Copper	Cu %	0.300 max.
Other	Ot %	1.000 max.
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Raw or As-Cast or Annealing or Normalizing or Normalizing & Tempering or Quenching & Tempering or Hardening & Tempering

Mechanical Properties	
Tensile Strength in Mpa	350 min.
Yield Strength in Mpa	180 min.
Elongation in %	20 min.
Reduction of Area in %	35 min.
Hardness in HB	100 - 200
Impact in Joule	-

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
10208-2 1.0418	EN	European Union	Steel and Pipe
10208-2 1.0429	EN	European Union	Steel and Pipe
1.0555	EN	European Union	Steel
EN 10208-2 1.0418	DIN	Germany	Steel and Pipe
EN 10208-2 1.0429	DIN	Germany	Steel and Pipe
SEW 085 1.0555	DIN	Germany	Steel
SEW 085 FStE 355 OS 1 / S355G01	DIN	Germany	Steel

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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