GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - Gravity 08G2SF

Standard Specification for Structural and Constructional Steels

Group - Ferrous Mild Steel Alloys

Sub Group - Gravity 08G2SF 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 %	0.120 max.
Silicon	Si %	0.400 - 0.600
Manganese	Mn %	1.200 - 1.600
Phosphorus	P %	0.040 max.
Sulphur	S %	0.040 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**
K11804	UNS	USA	Steel
2938 1	ISO	International	Steel and Bars
10025 1.0045	EN	European Union	Steel
EN 10025 1.0045	DIN	Germany	Steel
EN 10025 12153	NS	Norway	Steel
D 3517 18A	KS	Korea	Steel and Tubing
3679.1 250L0	AS	Australia	Steel and Bars

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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