GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - BS EN 10207 P275SL I 1.1100

Standard Specification for Technical Delivery Requirements for Plates, Strips, and Bars

Group - Ferrous Mild Steel Alloys
Sub Group - BS EN 10207 P275SL I 1.1100 Technical Delivery Requirements for Plates, Strips, and Bars
Application - Intended for Valve, Pump, General Engineering, Automotive and other Industries
Grade Belongs to the Industry - Plates, Strips and Bars

Chemical Composition		
Carbon	C %	0.160 max.
Silicon	Si %	0.400 max.
Manganese	Mn %	0.500 - 1.500
Phosphorus	P %	0.025 max.
Sulphur	S %	0.020 max.
Aluminium	Al %	0.020 min.
Nitrogen	N %	0.010 max.
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Raw or Normalizing

Mechanical Properties	
Tensile Strength in Mpa	390 - 510
Yield Strength in Mpa	275 min.
Elongation in %	24 min.
Reduction of Area in %	-
Hardness in HB	-
Impact in Joule	28 @ -50°C

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
EN 10207 1.1100	DIN	Germany	Steeel
EN 10207 P275SL	DIN	Germany	Steeel
36-215 A 42 FP	AFNOR NF	France	Steel
10207 SPHL 275	EN	European Union	Steel
10207 P 275 L	UNI	Italy	Steel
EN 10207 P 265 S	UNI	Italy	Steel
EN 10207 SPH 265	UNI	Italy	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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