GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - BS EN 10224 L355 I 0419

Standard Specification for Non-Alloy Steel Tubes and Fittings for The Conveyance of Water and Other Aqueous Liquids

Group - Ferrous Mild Steel Alloys

Sub Group - BS EN 10224 L355 I 0419 Non-Alloy Steel Tubes and Fittings for The Conveyance of Water and Other Aqueous Liquids

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

Grade Belongs to the Industry - Tubing

Chemical Composition		
Carbon	C %	0.220 max.
Silicon	Si %	0.550 max.
Manganese	Mn %	1.600 max.
Phosphorus	P %	0.030 max.
Sulphur	S %	0.025 max.
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Raw

Mechanical Properties	
Tensile Strength in Mpa	500 - 650
Yield Strength in Mpa	345 min.
Elongation in %	22 min.
Reduction of Area in %	-
Hardness in HB	-
Impact in Joule	-

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
10207 SPHL 275	EN	European Union	Steel
10207 1.1100	EN	European Union	Steel
10207 P275SL	DIN	Germany	Steel
10207 1.1100	DIN	Germany	Steel
EN 10208-1 1.0458	DIN	Germany	Steel and Pipe
EN 10208-1 L235GA	DIN	Germany	Steel
EN 10207 P 275 L	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

All information in our data sheets and website is indicative only and is not intended to be a substitute for the full specification from which it is extracted. It is intended to provide typical values to allow comparison between metal alloy option rather than a definitive statement of mechanical performance or suitability for a particular application as these will vary with temperature, product type and product application. It is presented apart from contractual obligations and does not constitute any guarantee of properties or of processing or application possibilities in individual cases. Our warranties and liabilities are stated exclusively in our terms of business.