GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

# Material - BS EN 10224 L275 I 0260

## 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 L275 I 0260 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 % | 0.200 max. |
| Silicon | Si % | 0.400 max. |
| Manganese | Mn % | 1.400 max. |
| Phosphorus | P % | 0.030 max. |
| Sulphur | S % | 0.025 max. |
| Iron | Fe % | Balance |
| - | - | - |
| - | - | - |
| - | - | - |
| - | - | - |
| - | - | - |
| - | - | - |
| - | - | - |
| - | - | - |

| Heat Treatment |
|---|
| As-Raw |

| Mechanical Properties | |
|---|---|
| Tensile Strength in Mpa | 430 - 570 |
| Yield Strength in Mpa | 275 min. |
| Elongation in % | 21 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.