

PRODUCT DATA SHEET

## SIMONA Peak Yellow Mains Gas Pipe (PE80/PE100)



Specification overview

- GIS PL2-2
- PP1547:2022 For use with Hydrogen
- KM676129-1
- PE80/80 Yellow skin/Black core (SDR11/17.6)
- PE80/PE100 Yellow skin/Black core (SDR21)

For transporting pressurised natural gas and suitable manufactured gas applications (PE80/100)

Control and ancillaries for use with Hydrogen

| OD          | SDR  | Pressure rating | Material   |
|-------------|------|-----------------|------------|
| 90 - 355mm  | 11   | 5.5 bar         | PE80       |
| 90 - 355mm  | 17.6 | 3 bar           | PE80       |
| 250 - 355mm | 21   | 2 bar           | PE80/PE100 |

Lengths

Pipes ≤ 180mm in diameter will be supplied in coil lengths of 50, 100m or lengths of 6 or 12m

Pipes ≥ 250mm in diameter will be supplied in standard stick lengths of 6, 12 or 13.5m.

Bespoke lengths can be produced on request

Markings

All products ≥ 90mm will be ink jet marked on one side with characters at least 5mm high in a contrasting colour to the pipe material also with two “non-inked” indented strip on opposite sides of the pipe.

The following identification and traceability marks are printed once every metre:

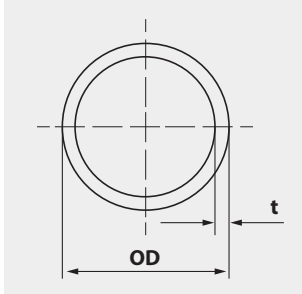
- Manufacturers identification: SIMONA Peak Pipe Systems
- Material designation: PE80 (example)
- Standard number: GIS PL2-2 / PP1547:2022
- SDR value: SDR11 (example)
- Outside diameter: 180mm (example)
- Manufacturing code: (Contains date)
- Application: Gas
- Pressure rating: 5.5 bar (example)

Suitable jointing methods

- Butt fusion
- Electrofusion Fittings
- Mechanical Fittings
- Note: Maximum system pressure is only rated to the lowest performing component

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| Nom size (mm) | Max OD (mm) | SDR  | Min t (mm) | Max t (mm) | Mean weight (kg/m) | Mean bore (mm) |
|---------------|-------------|------|------------|------------|--------------------|----------------|
| 90            | 90.6        | 11   | 8.2        | 9.2        | 2.1                | 72.9           |
| 125           | 125.8       | 11   | 11.4       | 12.7       | 4.1                | 101.3          |
| 180           | 181.1       | 11   | 16.4       | 18.2       | 8.4                | 146            |
| 250           | 251.5       | 11   | 22.7       | 25.1       | 16.2               | 203            |
| 315           | 316.9       | 11   | 28.6       | 31.6       | 25.7               | 255.8          |
| 355           | 357.2       | 11   | 32.3       | 35.7       | 32.7               | 288.1          |
| 90            | 90.6        | 17.6 | 5.2        | 5.9        | 1.4                | 79.2           |
| 125           | 125.8       | 17.6 | 7.1        | 8          | 2.6                | 110.3          |
| 180           | 181.1       | 17.6 | 10.3       | 11.5       | 5.5                | 158.8          |
| 250           | 251.5       | 17.6 | 14.2       | 15.8       | 10.5               | 220.8          |
| 315           | 316.9       | 17.6 | 17.9       | 19.8       | 16.7               | 278.3          |
| 355           | 357.2       | 17.6 | 20.2       | 22.4       | 21.3               | 313.5          |
| 250           | 251.5       | 21   | 11.9       | 13.2       | 8.9                | 225.7          |
| 315           | 316.9       | 21   | 15         | 16.6       | 14.2               | 284.4          |
| 355           | 357.2       | 21   | 16.9       | 18.7       | 18                 | 320.5          |