

SIMONA Peak Orange Gas Pipe (PE100/PE100)



Specification overview

- GIS PL2 - 8
- PP1547:2022 For use with Hydrogen
- KM 718869 - 1
- PE100 - Orange solid
- PE100/PE100 - Orange skin/Black core

For transporting pressurised natural gas and suitable manufactured gas applications (PE100/100)

Control and ancillaries for use with Hydrogen

OD	SDR	Pressure rating	Material
16 - 63mm	7 - 11**	7 bar	PE100
90 - 355mm	11	7 bar	PE100

Lengths

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

Pipes \geq 250mm in diameter will be supplied in standard lengths of 6, 12 or 13.5m

Bespoke lengths can be produced on request

Markings

All products \leq 63mm will be ink jet marked on one side with characters at least 3mm high in a contrasting colour to the pipe material also with a single "non-inked" indented strip plus an inkjet print line.

All products \geq 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: PE100
- Standard number: GIS PL2-8 / PP1547:2022
- SDR value: SDR11 (example)
- Outside diameter: 180mm (example)
- Manufacturing code: (Contains date)
- Application: Gas
- Pressure rating: 7 bar (example)

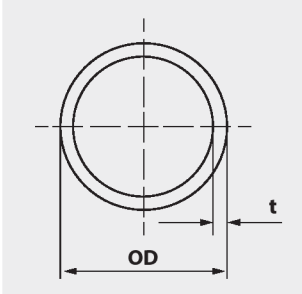
Suitable jointing methods

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

** 16mm - 20mm SDR determined by min wall thickness requirements

PRODUCT DATA SHEET

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Nom size (mm)	Max OD (mm)	SDR	Min t (mm)	Max t (mm)	Mean weight (kg/m)	Mean bore (mm)
16	16.3	7	2.3	2.7	0.10	11.2
20	20.3	9	2.3	2.7	0.13	15.2
25	25.3	11	2.3	2.7	1.80	20
32	32.3	11	3.0	3.4	0.30	25.6
63	63.4	11	5.8	6.5	1.1	50.9
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