

PRODUCT DATA SHEET

SIMONA Peak Geothermal Black Pipe (PE100)



Specification overview

- BS EN 12201-2
- PE100 - Black

For below ground transportation of geothermal fluid for ground source heat extraction applications.

OD	SDR	Pressure rating	Material
20 - 225mm	11	16 bar	PE100
40mm	13.6	12.5 bar	PE100
40 - 225mm	17	10 bar	PE100

Lengths

Pipes \leq 180mm in diameter will be supplied in coil lengths of 25, 50, 100, 150m or lengths of 6 or 12m
Pipes \geq 200mm in diameter will be supplied in standard lengths of 6, 12 or 13.5m.

Other lengths can be produced at customers request

Markings

All products will be marked on one side with characters at least 3mm high in a contrasting colour to the pipe material <75mm in diameter.

All products will be marked on one side with characters at least 5mm high in a contrasting colour to the pipe material >90mm in diameter.

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

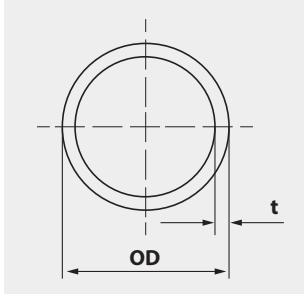
- Manufacturers identification: SIMONA Peak Pipe Systems
- Material designation: PE100
- Standard number: BS EN 12201-2
- SDR value: SDR11 (example)
- Outside diameter: 250mm (example)
- Manufacturing code: (Contains date)
- Application: Water
- Pressure rating: 16 bar (example)
- Meter marker

Suitable jointing methods

- Butt fusion \geq 63mm
- Electrofusion Fittings \geq 20mm
- Mechanical Fittings
- Compression 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)
20	20.3	11	2	2.3	0.1	15.8
25	25.3	11	2.3	2.7	0.2	20.2
32	32.3	11	3	3.4	0.3	25.8
40	40.4	11	3.7	4.2	0.4	32.2
50	50.4	11	4.6	5.2	0.7	40.4
63	63.4	11	5.8	6.5	1.1	50.8
75	75.5	11	6.8	7.6	1.5	60.9
90	90.6	11	8.2	9.2	2.1	72.9
110	110.7	11	10	11.1	3.2	89.2
125	125.8	11	11.4	12.7	4.1	101.2
140	140.9	11	12.7	14.1	5.1	113.7
160	161	11	14.6	16.2	6.7	129.7
180	181.1	11	16.4	18.2	8.5	146
200	201.2	11	18.2	20.2	10.5	162.2
225	226.4	11	20.5	22.7	13.3	182.5
40	40.4	13.6	3	3.5	0.4	33.6
40	40.4	17	2.4	2.8	0.3	35
50	50.4	17	3	3.4	0.5	43.8
63	63.4	17	3.8	4.3	0.7	55
75	75.5	17	4.5	5.1	1	65.7

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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	17	5.4	6.1	1.5	78.7
110	110.7	17	6.6	7.4	2.2	96.4
125	125.8	17	7.4	8.3	2.8	109.6
140	140.9	17	8.3	9.3	3.5	122.9
160	161	17	9.5	10.6	4.6	140.3
180	181.1	17	10.7	11.9	5.8	158
200	201.2	17	11.9	13.2	7.1	175.4
225	226.4	17	13.4	14.9	9	197.3