



PE100-RC coiled pipe is used widely within the geothermal industry as part of flow and return recirculation liquid systems.

It is fully compatible with all metric-sized electro-fusion, spigot and butt weld fittings.

## Applications

- Ground source heat recovery systems

## Features

- Virgin PE 100 resin
- Suitable for butt & electro-fusion welding
- Standard 50, 100, 150 metre coils
- Special lengths available
- 10 bar – 16 bar pressure rating
- Manufactured to EN 12201-2 & EN 13244-2

## Specifications

Outside Diameter [mm]	SDR17 (PN10)			SDR11 (PN16)		
	Wall Thickness [mm]	Inside Diameter [mm]	Weight [kg/m]	Wall Thickness [mm]	Inside Diameter [mm]	Weight [kg/m]
20	-	-	-	1.9	16.2	0.118
25	-	-	-	2.3	20.4	0.173
32	-	-	-	2.9	26.2	0.282
40	-	-	-	3.7	32.6	0.434
50	2.9	44.2	0.458	4.6	40.8	0.673
63	3.6	55.8	0.728	5.8	51.4	1.06
75	4.3	66.4	1.03	6.8	61.4	1.48
90	5.1	79.8	1.47	8.2	73.6	2.14
110	6.3	97.4	2.19	10.0	90.0	3.18
125	7.1	110.8	2.79	11.4	102.8	4.12
160	9.1	141.8	4.57	14.6	130.8	6.74
180	10.2	159.6	5.77	16.4	147.2	8.51

Contd...

Material			
Property	Standard	Unit	Value
Density	ISO 1183	g/cm	0.96
Melt Flow Index (190/5)	ISO 1133	g/10min	0.3
Tensile stress at yield	ISO 527	MPa	25
Elongation at yield	ISO 527	%	9
Elongation at break	ISO 527	%	>600
Impact strength (notched)	ISO 179	kJ/m <sup>2</sup>	16
Modules of elasticity	ISO 527	MPa	1300