



Coiled PE80 pipe is used widely within the landfill industry for the drainage, extraction and monitoring of methane gases and leachate liquids. PE80 is a highly resistant material making it suitable for use in the landfill industry where exposure to chemicals within the landfill and related contaminated land is common.

PE80's physical properties and flexibility make it an ideal product for landfill engineering and is fully compatible with all metric-sized electro-fusion, spigot and butt weld fittings.

## Applications

- Landfill gas drainage, extraction & monitoring
- Leachate pumping systems
- Compressed air systems

## Features

- Range from 20mm to 180mm
- SDR 17.6 & 11
- 6 bar - 10 bar pressure rating
- Available in 50m & 100m coils
- Manufactured to DIN8074/5
- Suitable for butt & electrofusion welding
- Available in colours black or blue

## Specifications

Outside Diameter [mm]	SDR 17.6 (PN6)			SDR11 (PN10)		
	Wall Thickness [mm]	Inside Diameter [mm]	Weight [kg/m]	Wall Thickness [mm]	Inside Diameter [mm]	Weight [kg/m]
20	-	-	-	1.9	16.2	0.112
25	1.8	21.4	0.137	2.3	20.4	0.171
32	1.9	28.2	0.187	3.0	26.0	0.279
40	2.3	35.4	0.285	3.7	32.6	0.430
50	2.9	44.2	0.440	4.6	40.8	0.666
63	3.6	55.8	0.688	5.8	51.4	1.05
75	4.3	66.4	0.976	6.9	61.2	1.48
90	5.1	79.8	1.39	8.2	73.6	2.12
110	6.3	97.4	2.08	10.0	90.0	3.14
125	7.1	110.8	2.66	11.4	102.2	4.08
160	9.1	141.8	4.35	14.6	130.8	6.67
180	10.2	159.6	5.48	16.4	147.2	8.42

Contd..

Material			
Property	Standard	Unit	Value
Density	ISO 1183	g/cm	0.94
Melt Flow Index (190/5)	ISO 1133	g/10min	0.9
Tensile stress at yield	ISO 527	MPa	20
Elongation at yield	ISO 527	%	10
Elongation at break	ISO 527	%	>600
Impact strength (notched)	ISO 179	kJ/m <sup>2</sup>	12
Modules of elasticity	ISO 527	MPa	750