



PE80 non-pressure pipe is used widely within the landfill industry for the extraction of methane gas and leachate liquids.

Its properties make it highly resistant to chemicals within the landfill and has been installed within UK landfills for more than 25 years.

### Applications

- Landfill gas extraction and control
- Leachate extraction and control

### Features

- Range from 20mm to 710mm
- SDR 26, 17.6 & 11
- 4, 6 & 11 bar pressure rating
- Available in 6m & 12m lengths
- Manufactured to DIN8074/5 & DIN 16842
- Suitable for butt & electrofusion welding

### Specifications

Outside Diameter [mm]	SDR 26 (4 bar)			SDR 17.6 (6 bar)			SDR 11 (10 bar)		
	Wall Thickness [mm]	Inside Diameter [mm]	Weight [kg/m]	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	1.80	36.4	0.226	2.3	35.4	0.285	3.7	32.6	0.430
50	2.00	46.0	0.314	2.9	44.2	0.440	4.6	40.8	0.666
63	2.50	58.0	0.494	3.6	55.8	0.688	5.8	51.4	1.05
75	2.90	69.2	0.675	4.3	66.4	0.976	6.9	61.2	1.48
90	3.50	83.0	0.978	5.1	79.8	1.39	8.2	73.6	2.12
110	4.30	101.4	1.460	6.3	97.4	2.08	10.0	90.0	3.14

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125	4.90	115.2	1.88	7.1	110.8	2.66	11.4	102.2	4.08
140	5.40	129.2	2.32	8	124.0	3.34	12.8	114.4	5.11
160	6.20	147.6	3.04	9.1	141.8	4.35	14.6	130.8	6.67
180	7.00	166.0	3.84	10.2	159.6	5.48	16.4	147.2	8.42
200	7.70	184.6	4.69	11.4	177.2	6.79	18.2	163.6	10.4
225	8.70	207.5	5.95	12.8	199.4	8.55	20.5	184.0	13.1
250	9.70	230.6	7.37	14.2	221.6	10.6	22.8	204.4	16.2
280	10.80	258.4	9.18	15.9	248.2	13.2	25.5	229.0	20.3
315	12.20	290.6	11.7	17.9	279.2	16.7	28.7	257.6	25.7
355	13.70	327.6	14.7	20.1	314.8	21.2	32.3	290.4	32.6
400	15.40	396.2	18.7	22.7	354.6	26.9	36.4	327.2	41.4
450	17.40	415.2	23.7	25.5	399.0	34.0	41.0	368.0	52.4
500	19.30	461.4	29.2	28.3	443.4	41.9	45.5	409.0	64.6
560	21.60	516.8	36.6	31.7	495.6	52.5	51.0	458.0	81.1
630	24.30	581.4	46.3	35.7	558.6	65.5	57.3	515.4	102.5
710	27.40	655.2	58.7	40.2	629.6	84.4	-	-	-

### 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	%	Minimum 350
Impact strength (notched)	ISO 179	kJ/m <sup>2</sup>	12
Modules of elasticity	ISO 527	MPa	750