

LANDFILL GAS

Landfill gas extraction wells

HD-PE Screen & Casing

HD-PE Screen & Casing is used widely within the landfill industry for the extraction and monitoring of landfill gas (biogas). Other applications include groundwater monitoring, contaminated soil remediation, mining and landfill leachate extraction.

HDPE is highly resistant to the wide range of chemicals found within landfill and contaminated land and its physical properties, in particular its flexibility make it an ideal product for landfill engineering. It is fully compatible with all metric-sized HDPE pipes.

FEATURES

- ◆ Dimensions to DIN 8074/75
- ◆ Standard 10% open area
- ◆ Resistant to aggressive chemicals
- ◆ High strength, tough and durable
- ◆ Flush threaded joints
- ◆ Standard range of slot sizes from 0.3-6mm
- ◆ Standard perforation 12mm
- ◆ Standard 3 metre lengths
- ◆ Other lengths available (1.0, 2.0, 2.9, 5.8, 6.0 metres)
- ◆ UV stabilised (black)



OUTSIDE DIAMETER mm	DUROSCREEN 17			DUROSCREEN 11		
	INSIDE DIAMETER mm	WALL THICKNESS mm	WEIGHT kg/m	INSIDE DIAMETER mm	WALL THICKNESS mm	WEIGHT kg/m
32	-	-	-	25	3	0,28
40	-	-	-	32	3,7	0,44
50	-	-	-	40,8	4,6	0,7
63	-	-	-	51,4	5,8	1,05
90	-	-	-	73,6	8,2	2,12
110	97,4	6,3	2,08	90	10	3,14
125	110,8	7,1	2,66	102,2	11,4	4,08
140	124	8	3,34	114,4	12,8	5,11
160	141,8	9,1	4,4	130,8	14,6	6,67
180	159,6	10,2	5,48	147,2	16,4	8,42
200	177,2	11,4	6,79	163,6	18,2	10,4
225	199,4	12,8	8,55	184	20,5	13,1
250	221,6	14,2	10,6	204,4	22,8	16,2
280	248,2	15,9	13,2	229	25,5	20,3
315	279,2	17,9	16,7	257,6	28,7	25,7
355	314,8	20,1	21,2	290,4	32,3	32,6
400	354,6	22,7	26,9	327,2	36,4	41,4

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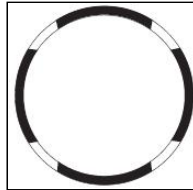
Specifications :

**FULLY SLOTTED
(10% OPEN AREA)**

Slot sizes: 0.3, 0.5, 0.75, 1, 1.5, 2, 3 & 6mm
Standard axial slot spacing: 15mm
(Other axial spacing and slot sizes available on request).

PIPE DIAM (da)
63-90
110-140
160-225
250-280
315-355
400-450

NO. ROWS
2
3
4
5
6
8

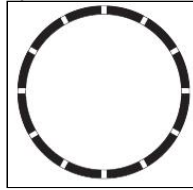


**FULLY PERFORATED
(10% OPEN AREA)**

Standard hole diameter: 12mm
Standard axial hole spacing: 31.25mm
(Other hole sizes and axial spacings available on request).

PIPE DIAM (da)
63-90
110-140
160-225
250-280
315-355
400-450

NO. ROWS
2
3
4
5
6
8



MECHANICAL AND THERMAL PROPERTIES				
PROPERTIES	STANDARD	UNIT	VALUE PE80	VALUE PE100
DENSITY	DIN53479	g/cm ³	0,953	0,96
MFI190/65	DIN53735	g/10min	0,7-1,0	0,3-0,55
TENSILE STRESS AT YIELD	DIN53455	N/mm ²	21	24
ELONGATION AT YIELD	DIN53455	%	10	8
TENSILE STRESS AT BREAK	DIN53495	N/mm ²	30-33	37
ELONGATION AT BREAK	DIN53455	%	>600	>600
MODULUS OF ELASTICITY (SHORT TERM)	DIN53457	N/mm ²	800	1000
MODULUS OF ELASTICITY (LONG TERM)	DIN53437	N/mm ²	150	150