GEODRAIN® PLUS

Double structured wall perforated rigid conduit with built-in Geotextile

GREEN (GEOTEXTILE) | BLUE (LINES)

Application Standard
EN ISO 9969

Reference Standard
DIN 4262-1
NF P 98-332

Assembled with
Connection couplers with hooks
End caps with hooks
Tee branch 90°
Spacers

Patent protected
1008995, 1009158

REACH Compliant | ROHS Compliant

Application fields
- subsoil drainage in buildings, stadiums and surrounding areas
- industrial and commercial applications
- photovoltaic parks
- agricultural applications
- landfills
- uncontrolled landfills road networks

Properties

Type	R2 (DIN 4262-1)
Raw material	Halogen free, heavy metals free (RoHS) and specially stabilized thermoplastic HDPE
Ring Stiffness (acc. to ISO 9969)	SN 4 KN/m² | SN 8 KN/m²
Chemical resistance (acc. to DIN ISO 10358)	Yes
Ageing resistance	Yes (5 years)
Halogen & heavy metal free	Yes
Rodent repellent	Not attractive to rodents
Color marking (acc. to NF P 98-332)	Longitudinal blue stripes

Perforation properties

Degrees of perforation (acc. to DIN 4262-1)	220° - LP (Locally perforated)			
Perforation slot number	5			
Nominal diameters (OD)	**110**	**125**	**160**	**200**
Perforation length (mm)	20	22	20	22
Perforation width (mm)	1,5	1,5	1,6	1,6
Perforation number per meter	185	191	267	220
Perforation area (cm /m²)	≥50	≥50	≥50	≥50

Geotextile Characteristics

Raw material	Green PP, needle-punched, non-woven fabric and heavy metals free (RoHS)
Mass/Unit Area EN ISO 9864 (gr/m²)	150 (-15)
Thickness EN ISO 9863-1 (mm)	0.75 (± 0.2)
Tensile Strength (MD) EN ISO 10319 (kN/m)	10.0 (-1.5)
Tensile Strength (CMD) EN ISO 10319 (kN/m)	10.0 (-1.5)
Tensile Elongation (MD) EN ISO 10319 (%)	38 (±15)
Tensile Elongation (CMD) EN ISO 10319 (%)	45 (±18)
Resistance to Static Puncture (CBR) EN ISO 12236(N)	1900 (-250)
Dynamic Puncture Resistance (cone drop test) EN ISO 13433 (mm)	26 (+6.5)
Characteristic Opening Size (O_{90}) EN ISO 12956 (µm)	85 (±30)
Water permeability (q_N) EN ISO 11058 (l/m²/s)	60 (-18)

Part number SN4 / SN8	DN / OD mm	ID mm	m	13,6m
1012110 / 1013110	110	91	6	4.800
1012125 / 1013125	125	105	6	3.072
1012160 / 1013160	160	134	6	2.520
1012200 / 1013200	200	169	6	1.800