

TECHNICAL DATA SHEET



EVODRAIN FLEX HDPE R2 pipe, perforated 360°, without filter, SN4

SPECIFICATION:

Product description:

HDPE drainage pipe with ring stiffness >SN4 and high impact resistance .

Pipe is available in 50 m coils. Each coil is equipped with a coupling (sand tight version). Standard colour is blue. Other colors are available upon request. Internal surfaces color is black. The pipes are made in dimensional compliance and passed the mechanical resistance tests in compliance with relevant EN and IEC standards (e.g. DIN 4262-1), specifications and approved documentation. Installation of piping system should be made accordingly to European standard EN 1610.

Water absorption surface – 50 cm²/m on average (DIN ISO 1302).

360° perforation is made in 6 slots, slotting step every 60°.

Single slot length – 11.2 mm on average.

Single slot width - 1.4 mm on average.

Application:

Corrugated drainage pipes are best suited for establishing hidden horizontal drainages to ensure dehumidification of the landfills. Drainage is to be installed on the land where ground-water depth is less than dehumidification norm, i.e. where high humidity saturation in the ground may result in slower drying of the productive soil at spring, as well as in destruction of basements of the building, road elution, etc.

TECHNICAL DATA:

PRODUCT PARAMETERS					
MATERIAL	HDPE				
OUTSIDE DN [mm]	Ø 75	Ø 90	Ø 110	Ø 125	Ø 160
INNER DN [mm]	Ø 63	Ø 76	Ø 94	Ø 107	Ø 138
ARTICLE 5111075360050	...090360(050/075)	...110360050	...125360025	...160360025
ROLL [m]	50	50	50	50	25
PERFORATION LENGTH [mm]	13.3	13.2	9.16	10.11	11.19
PERFORATION WIDTH [mm]	1.2	1.4	1.2	1.2	1.4
NUMBER OF PERFORATIONS BETWEEN CORRUGATIONS	3	3	6	6	6
COLOR	Blue, RAL 5015				

PHYSICAL PROPERTIES	
WATER PERMEABILITY	~50 cm ² /m (according to DIN ISO 1302)
DENSITY	950-960 g/cm ³ (according to EN ISO 1183)
ELASTICITY MODULUS	>1000 MPa (according to EN ISO 527)
RING STIFFNESS	≥SN4 (according to EN ISO 9969)
MELT FLOW RATE	0,9 g/10min (according to EN ISO 1133, 18)
THERMAL CONDUCTIVITY	0,36 W/m °C (according to DIN 52612 (23°C))
LINEAR EXPANSION	0,18 mm/m °C (according to VDE 0304)
THERMAL CAPACITY	1900 J/kg °C (calorimeter 23°C)
TEMPERATURE RESISTANCE	from -45 °C up to +90 °C

