

## TECHNICAL DATA SHEET



**PRODUCT:** Corrugated double-wall drainage pipe EVODRAIN HARD DN 110, perforation 360°

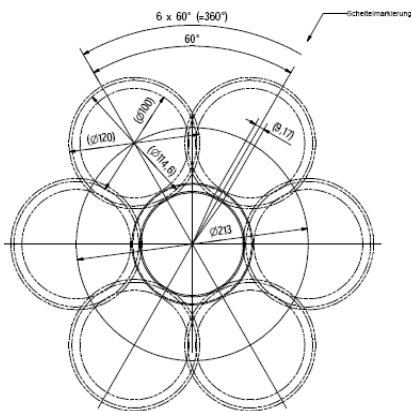
### SPECIFICATION:

Double-layer PEHD drainage conduit pipe with ring stiffness >SN8 and very high impact resistance due to the advanced combination of corrugated outside layer and coextruded inside layer.

Conduit is available in 3m or 6m bars (DN/OD 110/94mm). Each bar is equipped with a coupling (sand tight version).

The pipes are made in dimension 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.



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

Single slot length – 9.7mm on average.

Single slot width - 1.2mm on average.

Water absorption surface – 50 cm<sup>2</sup>/m on average (DIN ISO 1302).

## TECHNICAL DATA

APPLICATION		Corrugated coextruded double layer 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.
<b>PIPE</b>		
MATERIAL	HDPE, for both layers	
OUTSIDE DIAMETER, [mm]	Ø 110	
INNER DIAMETER, [mm]	Ø 93,8	
ART. NR.	5111110360 (030/060)	
COLOR	Black/blue	
LENGTH, [m]	3m or 6m	
<b>PHYSICAL PROPERTIES</b>		
DENSITY	940 g/cm <sup>3</sup> (foll. ISO 1183)	
ELASTICITY MODULUS	1000 MPa (foll. ISO 527)	
RING STIFFNESS (DIN 4262-1)	>SN8	
MELT-FLOW RATE	0,9 g/10min (foll. ISO 1133, 18)	
THERMAL CONDUCTIVITY	0,36 W/m °C (foll. DIN 52612 (23°C))	
LINEAR EXPANSION	0,18 mm/m °C (foll. VDE 0304)	
THERMAL CAPACITY	1900 J/kg °C (calorimeter, at 23°C)	
TEMPERATURE RESISTANCE	-45 °C up to +90 °C	

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