

IDROSAC-PIPE



Drainage module with very high hydraulic / mechanical performances

DATA SHEET

EXTERNAL CONTAINMENT BAG

Height: 500 mm

Length: 2 000 mm

Thickness: 300 mm

Tunnel for CORRUGATED TUBE (not supplied) housed in the lower part of the bag

Diameter: DN 100 mm

Length: 2 000 mm

COATING GEOTEXTILE

Type: geotextile continuous filament spunbonded needle punched mechanically

Raw material: polypropylene

Weight: between 125 and 155 g / m²

Thickness (at 2 kPa): between 1.0 and 1.2 mm

Water permeability (at 2 kPa): 100 l / m² / s with $\Delta h = 50$ mm

Effective pore diameter: between 85 and 105 μ m

Tensile strength: between 9.5 and 11.5 kN / m

Elongation (long / transv): 90/75%

COATING IN PLASTIC GEOGRAPH ON THE HEADS

Type: UV stabilized HDPE net

Warp: monofilament 0.285 mm, wires n.8

Texture: monofilament 0.285 mm, threads n.5.5

Weight: about 96 g / m²

Effective diameter of pores: sufficient to retain every fragment of the draining core avoiding any leakage.

GEOTEXTILE LIGATURE / GEOGRID ON THE HEADS

The covering geotextile will be sewn to the geogrid of the heads using multi-strand polyethylene filament and a polypropylene monofilament, in order to prevent the draining material from escaping.

DRAINING CORE (LOOSE SHAPED ELEMENTS OF SYNTHETIC RESIN)

Raw material: expanded polystyrene blocks

HYDRAULIC PERFORMANCES UNDER LOAD 10 kPa

Permeability of the pannel	4,80e-01	m/s
Q (flow rate)	7,538e-04	m ³ /s