

Technical Datasheet

Date: 23.05.2011

Issue: 8

OLDROYD Green 10B

All polypropylene perforated membrane EN 13252 F+D

Drainage composite of black polypropylene (PP) block copolymer dimpled sheet having grey PP nonwoven geotextile fabric as drainage filter glued on top, and thermal bonded black PP nonwoven fabric underside.

To be used as drainage layer for green roofs.

Properties	Standard	Unit	Value
Physical state, rolls		m	L=16, W=1.00, 1.25, 2.00
Colour			Black with grey and black geotextiles
Membrane (spacer) thickness		mm	0.5
Total height		mm	11
Total weight		kg/m ²	0.9
Air volume (water reservoir)		L/m ²	8.7
Tensile strength MD/CD	EN ISO 10319	kN/m	>15
Elongation MD/CD	EN ISO 10319	%	>35
In-plane water flow capacity*	EN ISO 12958	L/m·s	0.44
Resistance to weathering	EN 12224		Pass
Dangerous substances	REACH directive, SVHC-list		None
Reaction to fire	EN 13501-1	Class	F
Top filter PP nonwoven fabric (producer's data):			
Weight		g/m ²	110
CBR resist. to static puncture	EN ISO 12236	N	1000
Dynamic perforation resistance	EN ISO 13433	mm	35
Water permeability	EN ISO 11058	m/s	70·10 ⁻³
Opening size	EN ISO 12956	µm	140
Durability, all natural soils, < 25°C	EN 13252 B3.2.2	Years	≥ 25, to be covered within 2 weeks
Bottom black PP nonwoven fabric (producer's data):			
Weight		g/m ²	100
Tensile strength, MD	EN 29073-3	N/5cm	200
Elongation, MD	EN 29073-3	%	50

*) Contact surface soft/soft, MD direction, compressive stress 20 kPa, hydraulic gradient $i=1.0$