



NANODRAIN FLEECE

STRUCTURE: is a high density extruded polyethylene (HDPE) membrane bonded to a high quality geotextile fabric providing both drainage and mechanical protection of waterproof membrane.

PROPERTIES

Raw material (+ UV stabilizer)		HDPE		
Weight	EN 9864	g/m ²	610	±5%
Foil thickness		mm	0,55	±0,1

FILTER GEOTEXTILE

Raw material		Polypropylene		
Weight	EN 9864	g/m ²	110	±10
Tensile strenght MD/CMD	EN ISO 10319	kN/m	7	±1
Extension at max load MD/CMD	EN ISO 10319	%	45	
CBR puncture resistance	EN ISO 12236	N	1000	-100
Cone drop test	EN 13433	mm	35	+7
Water permeability normal to the plane	EN ISO 11058	mm/s	70	-20
Opening size	EN ISO 12956	micron	140	±42

PHYSICAL/ MECHANICAL CHARACTERISTICS

Thickness	EN 9863-1	mm	7,5	±1
Compression resistance	-	kN/m ²	>200	
Tensile strenght MD	EN ISO 10319	kN/m	10	-2
Extension at max load MD	EN ISO 10319	%	50	±15
Tensile strenght CMD	EN ISO 10319	kN/m	10	-2
Extension at max load CMD	EN ISO 10319	%	50	±15

HYDRAULIC PERFORMANCES

Plane flow capacity MD	EN ISO 12958	l/(m·s)				
		Hydraulic gradient	Contact	i = 0,04	i = 0,10	i = 1
		Load: 20 kPa	S/R	0,30	0,50	1,90
		" 50 kPa	S/R	0,17	0,30	1,15
		" 100 kPa	S/R	0,07	0,10	0,50

S/R contact Soft/Rigid

DIMENSIONAL CHARACTERISTICS

STANDARD DIMENSIONS

Roll width	m	2,44	±0,01
Roll lenght	m	20	±0,1
Roll area	m ²	48,8	
Roll weight	kg	30	±5%
Rolls/pallet	n	6	

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