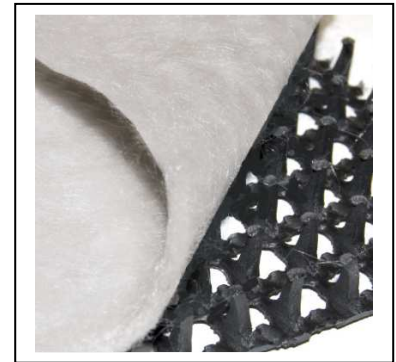


TENAX DR1

Draining composite produced by welding a cuspidated HDPE net with a non woven textile in PP.



Picture out of scale

NET CHARACTERISTICS	TEST METHOD	UNIT	DR1	NOTES
MEMBRANE POLYMER			HDPE	-
U.V. STABILIZER			CARBON BLACK	-

DIMENSIONAL CHARACTERISTICS	TEST METHOD	UNIT	DR1	NOTES
UNIT WEIGHT	ISO 9864	g/m ²	1400	a
THICKNESS AT 20 kPa	ISO 9863	mm	12.0	a
RESIDUAL THICKNESS AT 200 kPa	ASTM D1621	%	> 85	a
GEOTEXTILE NON-WOVEN EDGE		mm	100.0	a
ROLL WIDTH		m	1.5	a
ROLL LENGTH		m	20.0	a
ROLL DIAMETER		m	0.54	a
GROSS ROLL WEIGHT		kg	42.0	a

HYDRAULIC CHARACTERISTICS	TEST METHOD	UNIT	DR1				NOTES
HYDRAULIC FLOW RATE		i =	1.00	0.03	0.02	0.01	
$\sigma_v = 10$ kPa	ISO 12958	m ² /s	6,30 E-03	9,23 E-04	6,47 E-04	4,58 E-04	a, b, c
$\sigma_v = 20$ kPa	ISO 12958	m ² /s	6,17 E-03	9,19 E-04	6,40 E-04	4,52 E-04	a, b, c
$\sigma_v = 50$ kPa	ISO 12958	m ² /s	6,04 E-03	9,12 E-04	6,35 E-04	4,49 E-04	a, b, c
$\sigma_v = 100$ kPa	ISO 12958	m ² /s	5,96 E-03	8,99 E-04	6,30 E-04	4,45 E-04	a, b, c
$\sigma_v = 200$ kPa	ISO 12958	m ² /s	5,78 E-03	8,44 E-04	6,00 E-04	4,25 E-04	a, b, c
TENSILE STRENGTH	ISO 10319	kN/m	16.0				a, b
ELONGATION AT PEAK	ISO 10319	%	60.0				a, b

TEXTILE CHARACTERISTICS	TEST METHOD	UNIT	DR1	NOTES
MASS PER UNIT AREA	ISO 9864	g/m ²	200	a
OPENING SIZE	ISO 12956	mm	0.10	a

NOTE:

- a) Typical value
- b) MD: machine direction
- c) 2mm HDPE liner boundary condition

GEN 020,11 - E - 07/17



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