

TENAX DP1

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



Picture put of scale

NET CHARACTERISTICS	TEST METHOD	UNIT	DP1	NOTES
MEMBRANE POLYMER			HDPE	-
U.V. STABILIZER			CARBON BLACK	-

DIMENSIONAL CHARACTERISTICS	TEST METHOD	UNIT	DP1	NOTES
MASS PER UNIT AREA	ISO 9864	g/m ²	1400	a
MEMBRANE THICKNESS	ISO 9863	mm	0.5	a
THICKNESS AT 20 kPa	ISO 9863	mm	8.0	a
RESIDUAL THICKNESS AT 200 kPa	ASTM D1621	%	> 85	a
MEMBRANE EDGE		mm	40.0	a
GEOTEXTILE NON-WOVEN EDGE		mm	100.0	a
ROLL WIDTH		m	1.5	a
ROLL LENGTH		m	20.0	a
ROLL DIAMETER		m	0.48	a
GROSS ROLL WEIGHT		kg	43.0	a

HYDRAULIC CHARACTERISTICS	TEST METHOD	UNIT	DP1				NOTES
HYDRAULIC FLOW RATE		i =	1.00	0.03	0.02	0.01	
$\sigma_v = 10$ kPa	ISO 12958	m ² /s	4,15 E-03	5,83 E-04	4,77 E-04	2,75 E-04	a, b, c
$\sigma_v = 20$ kPa	ISO 12958	m ² /s	4,10 E-03	5,77 E-04	4,71 E-04	2,72 E-04	a, b, c
$\sigma_v = 50$ kPa	ISO 12958	m ² /s	4,04 E-03	5,63 E-04	4,60 E-04	2,65 E-04	a, b, c
$\sigma_v = 100$ kPa	ISO 12958	m ² /s	3,97 E-03	5,48 E-04	4,47 E-04	2,58 E-04	a, b, c
$\sigma_v = 200$ kPa	ISO 12958	m ² /s	3,85 E-03	5,41 E-04	4,42 E-04	2,55 E-04	a, b, c
TENSILE STRENGTH	ISO 10319	kN/m	22.0				a, b
ELONGATION AT PEAK	ISO 10319	%	60.0				a, b

TEXTILE CHARACTERISTICS	METODI DI PROVA	UNIT	DP1	NOTES
MASS PER UNIT AREA	ISO 9864	g/m ²	200	a
OPENING SIZE	ISO 12956	mm	0.10	a

NOTES:

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

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