

TENAX MDP

Type: 1200
Geocomposite



TENAX MDP geocomposites are a combination of a cusped geomembrane and a geotextile.

The combination of geotextile (filtering action) and cusped geomembrane (drainage and protection) offers a complete system of "filter - drainage - protection - water proofing".

Typical application

Waste disposals; underground structures; retaining walls; ground channels; landfill capping.

PHYSICAL CHARACTERISTICS	TEST METHOD	UNIT	MDP 1200	NOTES
MEMBRANE POLYMER			HDPE	
GEOTEXTILE POLYMER			PP	
U.V. STABILIZER			carbon black	

DIMENSIONAL CHARACTERISTICS	TEST METHOD	UNIT	MDP 1200	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,b
MEMBRANE EDGE		mm	40.0	a
ROLL WIDTH		m	1.50	a
ROLL LENGTH		m	20.0	a
ROLL DIAMETER		m	0.48	a
ROLL VOLUME		m ³	0.37	a
GROSS ROLL WEIGHT		kg	43.0	a

TECHNICAL CHARACTERISTICS	TEST METHOD	UNIT	MDP 1200	NOTES
HYDRAULIC FLOW RATE				
i=1 $\sigma_v = 50$ kPa	ISO 12958	m ² /s	4.04E-03	a,b,c
i=1 $\sigma_v = 100$ kPa	ISO 12958	m ² /s	3.97E-03	a,b,c
i=1 $\sigma_v = 200$ kPa	ISO 12958	m ² /s	3.85E-03	a,b,c
i=1 $\sigma_v = 500$ kPa	ISO 12958	m ² /s	3.20E-03	a,b,c
TENSILE STRENGTH	ISO 10319	kN/m	22	a,b
ELONGATION AT PEAK	ISO 10319	%	60	a,b

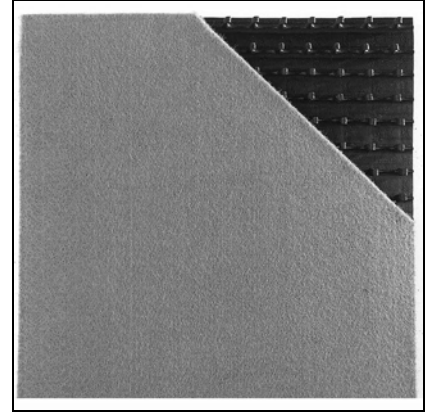
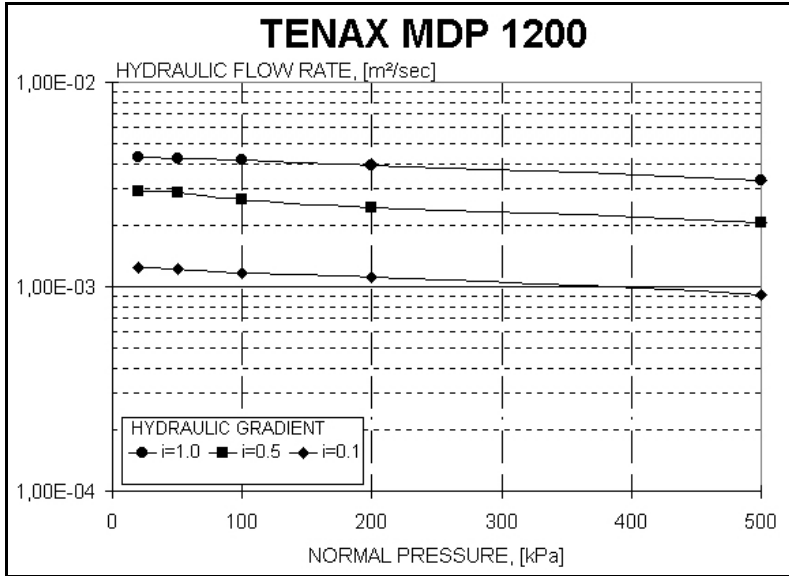
GEOTEXTILE CHARACTERISTICS	TEST METHOD	UNIT	MDP 1200	NOTES
MASS PER UNIT WEIGHT	ISO 9864	g/m ²	200	a
OPENING SIZE	ISO 12956	mm	0.10	a

NOTES:

- a) Typical values
- b) MD: machine direction (longitudinal to the roll)
- c) 2mm HDPE liner boundary condition



Typical Hydraulic Characteristics



TENAX MDP 1200



0799-CPD-25



The TENAX Laboratory has been created in 1980 and has been continuously improved with the purpose of assuring unequalled technical development of the products and accurate Quality Control.

The TENAX Laboratory can perform mechanical, hydraulic and durability tests, according to the most important international standards like ISO, CEN, ASTM, DIN, BSI, UNI.

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