

# TENAX DR2

## Composite

The TENAX **DR2** composite is a combination of drainage net and two geotextiles.

The combination of geotextiles (filtering action) and drainage net (drainage and protection) offers a complete system of "filter - drainage - protection".

## Typical applications

Protection, filtration and drainage for: roof gardens and walkable flat roofs - french drains - drainage foundations - foundation and containment walls.

PHYSICAL CHARACTERISTICS	TEST METHOD	UNIT	TENAX DR2
GEONET POLYMER			HDPE
GEOTEXTILE POLYMER			PP
U.V. STABILIZER			Carbon black

DIMENSIONAL CHARACTERISTICS	TEST METHOD	UNIT	TENAX DR2	notes
MASS PER UNIT AREA	ISO 9864	g/m <sup>2</sup>	1600	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	1.50	a
ROLL LENGTH		m	20.0	a
ROLL DIAMETER		m	0.56	a
ROLL VOLUME		m <sup>3</sup>	0.50	a
GROSS ROLL WEIGHT		kg	50.5	a

TECHNICAL CHARACTERISTICS	TEST METHOD	UNIT	TENAX DR2				notes
HYDRAULIC FLOW RATE		i =	1.00	0.03	0.02	0.01	
$\sigma_v = 10$ kPa	ISO 12958	m <sup>2</sup> /s	5,30 E-03	7,67 E-04	5,52 E-04	3,92 E-04	a,b,c
$\sigma_v = 20$ kPa	ISO 12958	m <sup>2</sup> /s	5,15 E-03	7,55 E-04	5,42 E-04	3,84 E-04	a,b,c
$\sigma_v = 50$ kPa	ISO 12958	m <sup>2</sup> /s	5,02 E-03	7,34 E-04	5,32 E-04	3,77 E-04	a,b,c
$\sigma_v = 100$ kPa	ISO 12958	m <sup>2</sup> /s	4,83 E-03	7,07 E-04	4,47 E-04	3,15 E-04	a,b,c
$\sigma_v = 200$ kPa	ISO 12958	m <sup>2</sup> /s	4,50 E-03	6,52 E-04	3,82 E-04	2,70 E-04	a,b,c
TENSILE STRENGTH	ISO 10319	kg/m	2800				a,b
ELONGATION AT PEAK	ISO 10319	%	60				a,b

GEOTEXTILE CHARACTERISTICS	TEST METHOD	UNIT	TENAX DR2	notes
MASS PER UNIT AREA	ISO 9864	g/m <sup>2</sup>	200	a
OPENING SIZE	ISO 12956	mm	0.10	a

### NOTES:

- a) Typical values
- b) Longitudinal direction
- c) 2mm HDPE liner boundary condition



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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