

GMG 512 GEOCOMPOSITE

GMG 512 draining geocomposite consist of a draining 5 mm high density polyethylene geonet with a geotextile combine don both sides. The principal functions are filtering, draining and protection against damage that can occur in the waterproof layer.

Typical Applications

Drainage systems in concrete retaining walls, landfills, all kinds of sealing and newly developed refuse deposits, drainage of structures, drainage on bases in roadways and railways, drainage of foundations, gardens, and sport fields inverted roofs, underground garages.

TECHNICAL CHARACTERISTICS

CHARACTERISTICS	METHOD	UNIT	GMG 512
Geonet			
Raw material			HDPE
Compressive creeping ⁽¹⁾			None
Thickness	EN 964-1	mm	5.20 4.80
Strand Angle		°	60
Geotextile			
Raw material			PP
Mass per unit area	EN 29073 / 1	g/m ²	120.00
Cone drop	EN 918	mm	34.00
CBR	EN ISO 12236	kN	1.40
Opening size	EN ISO 129566	µm	90.00
Geocomposite			
Mass per unit area (approx.)		g/ m ²	890.00
Width		m	2.16
Length		m	50.00
Area of roll		m ²	108.00
Weight of roll (approx.)	EN 965-5	kg	96.12
Thickness	EN 964-1-95	mm	5. 90 5. 20
Peak tensile strength	ISO 10319-1997	KN/m	21.00 20.00
Elongation at break	ISO 10319-1997	%	50.00 50.00
Compressive creeping at 1.000 h, 50 kPa	EN 1897-01	%	5.50
Durability	EN 13252 Annex B	year	> 25

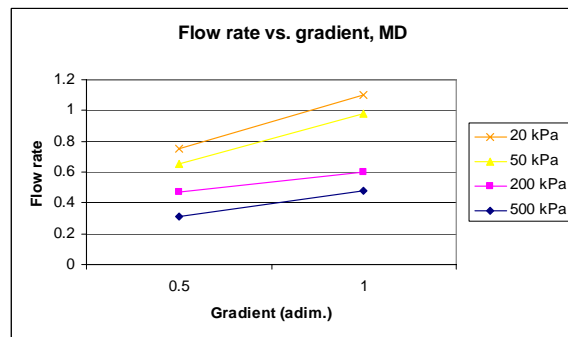
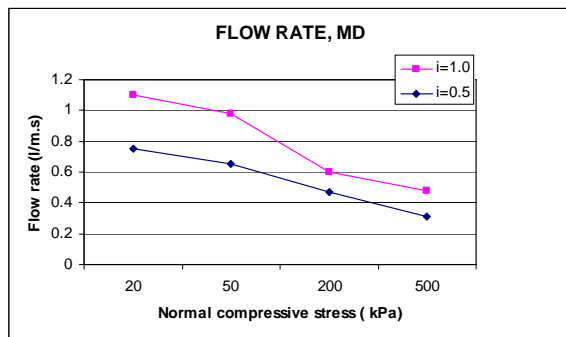
(1) Compressive creeping at 1.000 h, 20 kPa

The values given are indicative and correspond to an average results attained in laboratories and in testing institutes. This information is provided for reference purposes only and is not intended as a warranty or guarantee. This information is provided by Interma Nets, S.A. . The right is reserved to make change with out notice. Interma Nets, S.A. assumes liability of this information.

HYDRAULIC PROPERTIES	METHOD	UNIT	GMG 512
Geocomposite			
Flow Capacity normal to their plane, MD: i = 1.0	ISO 12958-1999	l/ m ² . s	
20 kPa			1.10
50 kPa			0.98
200 kPa			0.60
500 kPa			0.48
Flow Capacity normal to their plane, MD: i = 0.50			
20 kPa			0.75
50 kPa			0.65
200 kPa			0.47
500 kPa			0.31

i = Hydraulic Gradient;

ISO 12958-1999 with 350*300 mm specimens, rigid plates.



These graphic data are mean values obtained in our laboratory according to EN ISO 12958 standard:
380*300 mm specimens, rigid plates



Intermas Nets S.A. controls:

- Technical characteristics (tensile strength, elongation, hydraulic transmissibility) and physical (weight, width, length, non woven overlap, net thickness, and geocomposite thickness), according to their internal quality plan and standard ISO 9002.