TENAX **HF Plus**

Geocomposite

TENAX **HF Plus** geocomposites are a combination of TENAX geonet made with HDPE/EVA polymers and one layer of nonwoven geotextiles. The combination of geotextiles (filtering action) and geonet (drainage and protection) offers a complete system of "filter-drainage-protection" and enhance the friction between liner and geocomposite.

Typical applications

Waste disposals; underground structures; retaining walls; gardens and sport fields; road foundations; ground channels.

PHYSICAL CHARACTERISTICS	TEST METHOD	UNIT	HF Plus	NOTES
GEONET POLYMER			HDPE-EVA	
GEOTEXTILE POLYMER			PP	
FOAMING AGENT			NO	
U.V. STABILIZER			carbon black	

DIMENSIONAL CHARACTERISTICS	TEST METHOD	UNIT	HF Plus	NOTES
THICKNESS at 20 kPa	ISO 9863	mm	5.50	d
ROLL WIDTH		m	3.90	a
ROLL LENGTH		m	45.0	a
ROLL DIAMETER		m	0.62	a
ROLL VOLUME		m^3	1.58	a

TECHNICAL CHARACTERISTICS	TEST METHOD	UNIT	HF Plus	NOTES
HYDRAULIC FLOW RATE				
i=1 σv = 10 kPa	ISO 12958	m^2/s	1.40E-03	b,c,d
i=1 σv = 20 kPa	ISO 12958	m^2/s	1.35E-03	b,c,d
i=1 σv = 50 kPa	ISO 12958	m^2/s	1.20E-03	b,c,d
TENSILE STRENGTH	ISO 10319	kN/m	14.0	a,b
ELONGATION AT PEAK	ISO 10319	%	50.0	a,b
ANGLE OF FRICTION, ϕ	EN ISO 12957-2	°	>36	e

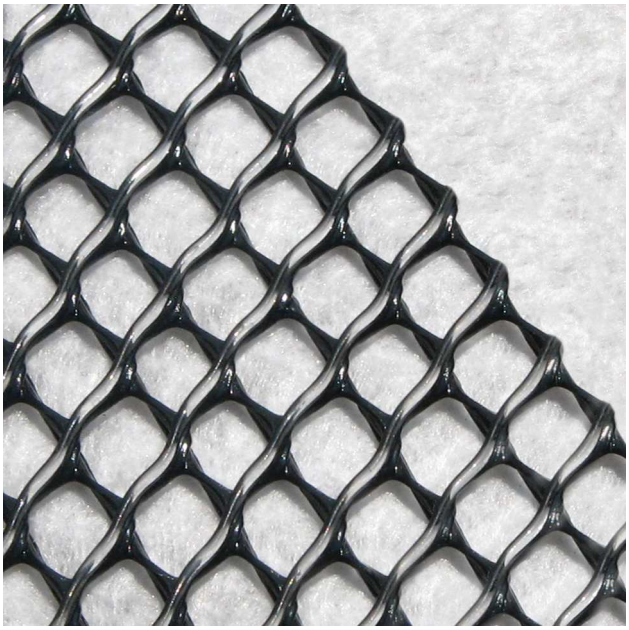
GEOTEXTILE CHARACTERISTICS	TEST METHOD	UNIT	HF Plus	NOTES
MASS PER UNIT WEIGHT	ISO 9864	g/m^2	140	a
OPENING SIZE	ISO 12956	mm	0.08	a

NOTES:
a) Typical values
b) Longitudinal direction
c) 2mm HDPE liner boundary condition
d) Tolerance : - 10%
e) EN ISO 12957-2: Determination of friction characteristics:Inclined Plane test

Typical Characteristics

TENAX

HF Plus



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The TENAX Laboratory has been operational since 1980 and has been continuously improved with the purpose of assuring comprehensive 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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