

TENAX MULTIMAT

Type: **030**
Geomat



TENAX **MULTIMAT** are polypropylene erosion control geomats, designed for protection and growing of grass on slopes subject to surface erosion. TENAX **MULTIMAT** are three dimensional mats composed by extruded and bioriented polypropylene grids, laid one upon each another and tied up by means of a black polypropylene yarn. The three dimensional structure is purposely engineered for trapping a layer of topsoil, thus avoiding rainfall erosion by both sheltering the surface against the impact of raindrops and by restricting the movement of the soil particles. TENAX **MULTIMAT** can be easily installed and it does not require skilled personnel.

Typical applications

Roadway ditches; slope protection; storm and irrigation channels; lakes banks; landfill cover.

PHYSICAL CHARACTERISTICS	TEST METHOD	UNIT	MULTIMAT 030	NOTES
STRUCTURE			THREE DIMENSIONAL GEOMAT COMPOSED BY 3 LAYERS	
MESH TYPE			RECTANGULAR APERTURES	
COLOR			LIGHT GREEN	
POLYMER TYPE			POLYPROPYLENE	
PACKAGING	ISO 10320		ROLLS WITH IDENTIFICATION LABEL	

DIMENSIONAL CHARACTERISTICS	TEST METHOD	UNIT	MULTIMAT 030	NOTES
APERTURE SIZE MD		mm	7.0	b,c
APERTURE SIZE TD		mm	9.0	b,c
THICKNESS	ASTM D6525	mm	8.0	b
MASS PER UNIT AREA	ISO 9864	g/m ²	180	b
ROLL WIDTH		m	2.20	b
ROLL LENGTH		m	50.0	b
ROLL DIAMETER		m	0.57	b
ROLL VOLUME		m ³	0.75	b
GROSS ROLL WEIGHT		kg	23.7	b

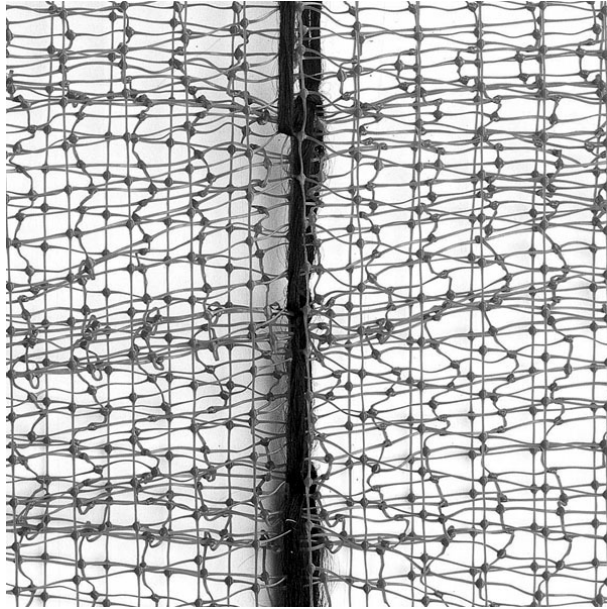
TECHNICAL CHARACTERISTICS	TEST METHOD	UNIT	MULTIMAT 030		NOTES
			MD	TD	
PEAK TENSILE STRENGTH	ISO 10319	kN/m	3.8	13.0	a,c
YIELD POINT ELONGATION	ISO 10319	%	23.0	23.0	b,c

NOTES:

- a) 95% lower confidence limit values, ISO 2602
- b) Typical values
- c) MD : machine direction (longitudinal to the roll)
TD : transverse direction (across roll width)



Typical Characteristics



TENAX MULTIMAT 030



0799-CPR-25



The TENAX Laboratory has been operational since 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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