

# TENAX MULTIMAT

Type: **100**  
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 of the mat shelters the layer of top soil and anchors the growing roots of the planted seeds, so to obtain one block very resistant to the rain drop run off and soil movement. 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 100	NOTES
STRUCTURE			THREE DIMENSIONAL GEOMAT COMPOSED BY 3 LAYERS	
MESH TYPE			RECTANGULAR APERTURES	
STANDARD COLOR			BLACK	
POLYMER TYPE			POLYPROPYLENE	
CARBON BLACK CONTENT	ASTM D1603		1.0%	
PACKAGING	ISO 10320		ROLLS WITH IDENTIFICATION LABEL	

DIMENSIONAL CHARACTERISTICS	TEST METHOD	UNIT	MULTIMAT 100	NOTES
APERTURE SIZE MD		mm	12.0	b,c
APERTURE SIZE TD		mm	16.0	b,c
THICKNESS	ISO 9863	mm	17.0	b
MASS PER UNIT AREA	ISO 9864	g/m <sup>2</sup>	320	b
ROLL WIDTH		m	2.20	b
ROLL LENGTH		m	30.0	b
ROLL DIAMETER		m	0.78	b
ROLL VOLUME		m <sup>3</sup>	1.40	b
GROSS ROLL WEIGHT		kg	24.0	b

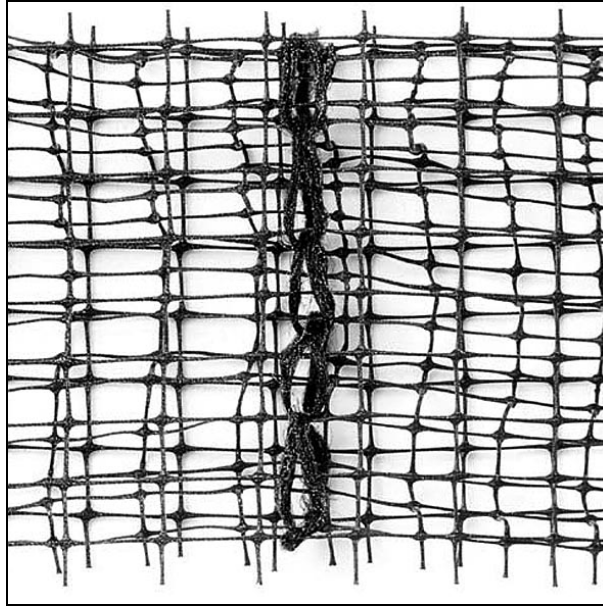
TECHNICAL CHARACTERISTICS	TEST METHOD	UNIT	MULTIMAT 100		NOTES
			MD	TD	
PEAK TENSILE STRENGTH	ISO 10319	kN/m	10.0	15.0	a,c
YIELD POINT ELONGATION	ISO 10319	%	20.0	15.0	b,c

### 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

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### TENAX MULTIMAT 100



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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