

## MultiMat 100 Geomat

Tenax MultiMat are polypropylene erosion control geoms, designed for protection and growing of grass on slopes subject to surface erosion. Tenax MultiMat are three dimensional mats composed by extruded and bi-oriented polypropylene grids, laid one upon each other and tied up by means of a black polypropylene yarn. The Three dimensional structure is purposefully engineered for trapping a layer of topsoil, thus avoiding rainfall erosion by sheltering the surface against the impact of raindrops and by restricting the movement of the soil particles.

### Typical Applications

Roadway ditches, slope protection, storm and irrigation channels, lake banks and landfill cover.

PHYSICAL CHARACTERISTICS	TEST METHOD	MULTIMAT 100
Polymer Type		Polypropylene
Structure		Three Dimensional Geomat Composed of 3 Layers
Color		Black
Packaging	ISO 10320	Rolls in Polyethylene Bags with ID Label
Mesh Type		Rectangular Apertures
Carbon Black Content	ASTM D4218	1%

DIMENSIONAL CHARACTERISTICS	TEST METHOD	UNIT	MULTIMAT 100	NOTES
Aperture Size MD		mm	12	a,b
Aperture Size TD		mm	16	a,b
Thickness	ISO 9863	mm	20	d
Roll Width		m	2.20	a
Roll Length		m	30	a
Roll Diameter		m	.75	a
Roll Volume		m <sup>3</sup>	1.30	a

TECHNICAL CHARACTERISTICS	TEST METHOD	UNIT	MULTIMAT 100		NOTES
			MD	TD	
Peak Tensile Strength	ASTM D4595	kN/m	10	15	b,c
Yeild Point Elongation	ASTM D4595	%	20	15	a,b

### Notes

- a Typical values
- b MD: machine direction (longitudinal to the roll)  
TD: transverse direction (across roll width)
- c Tolerance: -1 kN/m
- d Tolerance: -3 mm

The Tenax Laboratory has been operational since 1980 and has continuously improved with the purpose of assuring unequalled technical development of products and accurate Quality Control.

The Tenax Laboratory can perform mechanical tests, hydraulic tests and durability tests, according to the most detailed and important international standards like: ISO, CEN, ASTM, DIN, BSI, UNI.

