

TENAX TENWEB

Type: **3/200 - 3/300**
4/200 - 4/300

Geocells



TENAX **TENWEB** geocells have honeycomb three dimensional structure, made of polyethylene using a single continuous extrusion process. It has a monolithic structure, very resistant to tensile forces. TENAX **TENWEB** can be expanded like an accordion; it can be transported and stocked in a very compact form, and expanded at the job site. Once expanded, TENAX **TENWEB** becomes dimensionally stable and provides an effective confinement for loose materials placed in each single cell.

Typical applications

Erosion control of slopes, embankment, lake and river banks; base stabilization for roads and parking areas.

PHYSICAL CHARACTERISTICS	UNIT	DATA	NOTES
STRUCTURE		THREE DIMENSIONAL HONEYCOMB	
MESH TYPE		ABOUT HEXAGONAL	
STANDARD COLOR		BLACK or GREEN	
POLYMER TYPE		POLYETHYLENE	
U.V. STABILIZER		YES	
COMPACTED PANEL DIMENSION		12.50 x 0.22 m	

DIMENSIONAL CHARACTERISTICS OF EXPANDED PANELS	TEST METHOD	UNIT	TENWEB 3/200	TENWEB 3/300	TENWEB 4/200	TENWEB 4/300	NOTES
CELL INNER DIAMETER		mm	200	300	200	300	a
CELL HEIGHT		mm	75	75	100	100	a
CELL WALL THICKNESS	ISO 9863	mm	1.0	1.0	1.0	1.0	a
PANEL UNIT WEIGHT	ISO 9864	kg/m ²	1.15	0.80	1.60	1.10	a
EXPANDED PANELS WIDTH		m	3.50	5.00	3.50	5.00	a
EXPANDED PANELS LENGTH		m	10	10	10	10	a
COVERED SURFACE		m ²	35	50	35	50	a
COMPACTED PANEL WEIGHT		kg	41	41	56	56	a
COMPACTED PANEL ON PALLET		n°	12	12	9	9	a

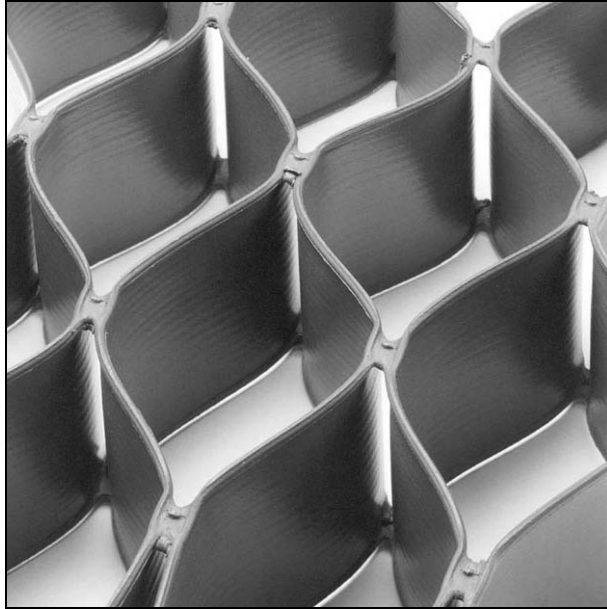
TECHNICAL CHARACTERISTICS	TEST METHOD	UNIT	TENWEB 3/200	TENWEB 3/300	TENWEB 4/200	TENWEB 4/300	NOTES
PEAK TENSILE STRENGTH	ISO 10319	kN/strip	1.20	1.20	1.20	1.20	b,c
PEAK TENSILE ELONGATION	ISO 10319	%	15	15	15	15	a,c
JUNCTION TENSILE SHEAR STRENGTH	ISO 13426	kN/junct	0.80	0.80	0.80	0.80	b,c
JUNCTION TENSILE PEEL STRENGTH	ISO 13426	kN/junct	0.35	0.35	0.35	0.35	b,c

NOTES:

- a) Typical values
- b) Minimum values
- c) Test performed at constant rate of strain of 300 mm/min



Typical Characteristics



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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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