

TENAX TT L

Type: **55 - 75 - 100 - 130**

Mono-oriented geogrids



TENAX **TT L** are mono-oriented geogrids especially designed for soil reinforcement. TENAX **TT L** geogrids are manufactured with a unique extrusion technology using high quality polymers. TENAX **TT L** geogrids have high tensile modulus, great interlock capacity and junction strength, as well as superior long term design strength and durability.

Typical applications

Retaining walls; steep slopes reinforcement; landslides repair; embankments stabilization; landfill side slopes reinforcement.

PHYSICAL CHARACTERISTICS	TEST METHOD	UNIT	DATA	NOTES
STRUCTURE			MONO-ORIENTED GEOGRIDS	
MESH TYPE			OVAL APERTURES	
STANDARD COLOR			BLACK	
POLYMER TYPE			HDPE	
U.V. STABILIZER			CARBON BLACK	
PACKAGING			ROLLS WITH IDENTIFICATION LABEL	

DIMENSIONAL CHARACTERISTICS	TEST METHOD	UNIT	TT 55 L	TT 75 L	TT 100 L	TT 130 L	NOTES
APERTURE SIZE MD		mm	300	300	300	300	b,d
APERTURE SIZE TD		mm	13/20	13/20	13/20	13/20	b,d
ROLL WIDTH		m	2.00	2.00	2.00	2.00	b
ROLL LENGTH		m	50	40	40	30	b

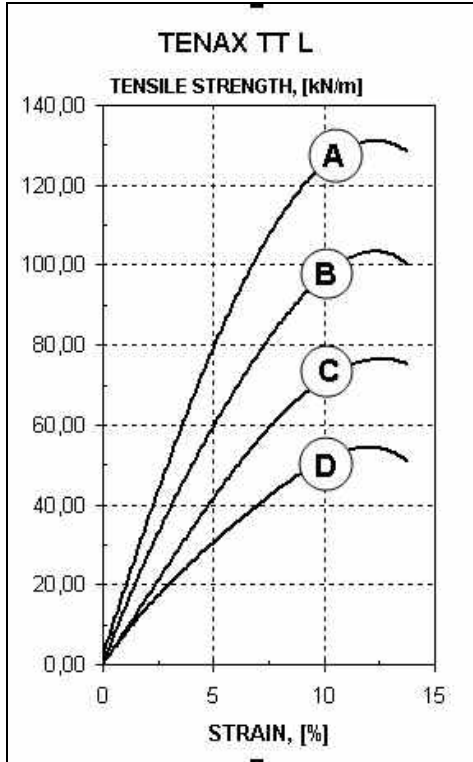
TECHNICAL CHARACTERISTICS	TEST METHOD	UNIT	TT 55 L	TT 75 L	TT 100 L	TT 130 L	NOTES
STRENGTH AT 2% STRAIN	ISO 10319	kN/m	16	21	30	40	a,c,e
STRENGTH AT 5% STRAIN	ISO 10319	kN/m	31	40	58	78	a,c,e
PEAK TENSILE STRENGTH	ISO 10319	kN/m	55	75	100	130	a,c
YIELD POINT ELONGATION	ISO 10319	%	10.0	11.0	11.0	11.0	b,c
LONG TERM DESIGN STRENGTH	ISO 13431	kN/m	19.2	26.2	35.0	45.5	f

NOTES:

- 95% lower confidence limit values, ISO 2602
- Typical values
- Tests performed using extensometers at 120 mm/min at 20°C
- MD : machine direction (longitudinal to the roll)
TD : transverse direction (across roll width)
- Tolerance: -5%
- Design strength based upon 120 years design life at 20°C and fill soil up to 40 mm size

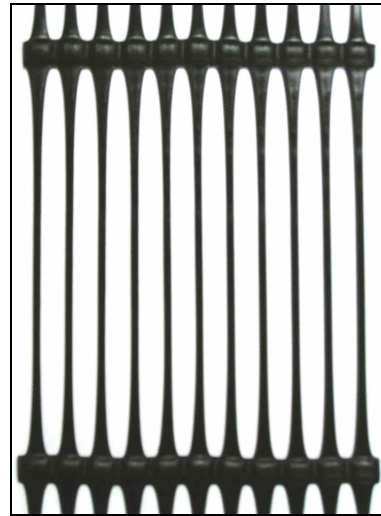


Typical Tensile Characteristics



GEOGRID TYPE:

- A = TENAX TT 130 L**
- B = TENAX TT 100 L**
- C = TENAX TT 75 L**
- D = TENAX TT 55 L**



0799-CPR-25



The TENAX Laboratory has been operational 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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