



Grupo Líder en Geosintéticos, Mallas y Cajas Plásticas

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FICHA DE DATOS TÉCNICOS

GEOMALLA UNIAXIAL 90

Type: 90

Mono-oriented Geogrids (Now available in the USA)

TENAX TT 90L are mono-oriented geogrids especially designed for soil reinforcement.

TT 90L geogrids are manufactured with a unique extrusion technology using high quality polymers.

TENAX TT 90L have high tensile modulus, great interlocking capacity, and durability.

Typical applications

Steep slope reinforcement, land slide repair, retaining walls, embankment stabilization, landfill slope reinforcement

PHYSICAL CHARACTERISTICS	TEST METHOD	DATA		
STRUCTURE		MONO-ORIENTED GEOGRIDS		
MESH TYPE		OVAL APERTURES		
STANDARD COLOR		BLACK		
POLYMER TYPE		HDPE		
UV STABILIZER	ASTM D 4218	CARBON BLACK		
PACKAGING	ISO 10320	ROLLS IN POLYETHYLENE BAGS WITH I.D. LABEL		
DIMENSIONAL CHARACTERISTICS	TEST METHOD	UNIT	TT 70L	NOTES
MESH SIZE MD		In (mm)	11.8 (300)	b,d
MESH SIZE TD		In (mm)	0.51-0.79 (13-20)	b,d
ROLL WIDTH		Ft (m)	3.28 (1.0)	b
ROLL LENGTH		Ft (m)	164.0 (50)	b
TECHNICAL CHARACTERISTICS	TEST METHOD	UNIT	TT 70L	NOTES
TENSILE STRENGTH AT 2% STRAIN	ASTM D 6637	lbs/ft (kN/m)	1987 (29.0)	a,c
TENSILE STRENGTH AT 5% STRAIN	ASTM D 6637	lbs/ft (kN/m)	3769 (55.0)	a,c
PEAK TENSILE STRENGTH	ASTM D 6637	lbs/ft (kN/m)	6408 (93.5)	a,c
YIELD POINT ELONGATION	ASTM D 6637	%	11.0	b,c
LONG-TERM DESIGN STRENGTH	ISO 13431	lbs/ft (kN/m)	2399 (35.0)	e
NOTES a) Average values, ASTM D 4759 b) Typical values c) Method A, Tests performed using extensometers at a strain rate of 20±3% per minute in gauge length at 20°C d) MD: machine direction (longitudinal to the roll) TD: transversal direction (across roll width) e) Design strength based upon 120 years design life at 20°C and fill soil up to 40mm size.				