

MONO-ORIENTED GEOGRIDS

FEATURING TENAX TT 120L (Not sold in the U.S.A)

TENAX TT 120L are mono-oriented geogrids especially designed for soil reinforcement. TENAX TT 120L geogrids are manufactured with a unique extrusion technology using high quality polymers. TENAX TT 120L geogrids have high tensile modulus, great interlocking capacity, and durability.

TYPICAL APPLICATIONS

“ Steep Slope Reinforcement “ Land Slide Repair “ Retaining Walls “ Embankment Stabilization “ Landfill Slope Reinforcement

MATERIAL CHARACTERISTICS		DATA		
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		UNIT	DATA	NOTES
aperture size (MD)		mm	300	b,d
aperture size (TD)		mm	13/20	b,d
roll width		m	1.0	b
roll length		m	30	b
TECHNICAL CHARACTERISTICS	TEST	UNIT	DATA	NOTES
strength at 2% strain	ASTM D6637	kN/m	38.5	a,c
strength at 5% strain	ASTM D6637	kN/m	74.0	a,c
peak tensile strength	ASTM D6637	kN/m	121.5	a,c
yield point elongation	ASTM D6637	%	11.0	b,c
long-term design strength	ISO 13431	kN/m	45.5	e

NOTES: a: Average value, ASTM D 4759; b: Typical values; c: Method A, tests performed using extensometers at a strain rate of 20±3% per minute in the gauge length at 20°C; d: MD: machine direction (longitudinal to the roll), TD: transverse direction (across roll width); e: Design strength based upon 120 years design life at 20°C and fill soil up to 40mm size.

Manufactured by Tenax Corporation, 4800 E. Monument Street, Baltimore, MD 21205; represented exclusively in the Americas by Syntec, LLC.