

MONO-ORIENTED GEOGRIDS

FEATURING TENAX TT 60 SAMP (Not sold in the U.S.A)

TENAX TT 60 SAMP are mono-oriented geogrids especially designed for soil reinforcement. TENAX TT 60 SAMP geogrids are manufactured with a unique extrusion technology using high quality polymers. TENAX TT 60 SAMP geogrids have high tensile modulus, great interlock capacity, junction strength, as well as superior long-term design strength, 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	220	b,d
aperture size (TD)		mm	13/20	b,d
roll width		m	1.0	b
roll length		m	75	b
roll diameter		m	0.35	b
roll volume		m ³	0.12	b
TECHNICAL CHARACTERISTICS	TEST	UNIT	DATA	NOTES
strength at 2% strain	ASTM D6637	kN/m	17.0	a,c
strength at 5% strain	ASTM D6637	kN/m	32.0	a,c
peak tensile strength	ASTM D6637	kN/m	60.0	a,c
yield point elongation	ASTM D6637	%	13.0	b,c
junction strength	GRI-GG2	kN/m	50.0	b
long-term design strength	ISO 13431	kN/m	28.3	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.