TENAX®

GT-XL Triplanar Geogrid

TENAX GT XL is manufactured from a unique extrusion technique resulting in a perforated polypropylene sheet that is specifically shaped to create a triplanar reinforcing structure. This unique extrusion process produces a large concave shaped rib to better trap aggregate materials by restricting the horizontal movement of stone particles and preventing displacement. Higher profile ribs and junctions improve interlock and stress distribution, thereby reducing rutting and aggregate base thickness.

Typical Applications:
Ground stabilization and sub-base reinforcement for permanent roads, unpaved and temporary access roads, working platforms, and levee construction

INDEX PROPERTIES

Technical Characteristics	Units	MD Values[1]	XMD Values[1]
Rib Pitch[2]	mm (in)	60 (2.40)	60 (2.40)
Mid-Rib Depth[2]	mm (in)	3.0 (0.12)	1.3 (0.05)
Mid-Rib Width[2]	mm (in)	3.8 (0.15)	4.8 (0.19)
Rib Shape		Rectangular	

STRUCTURAL INTEGRITY

Aperture Stability[3]	N-m/deg	1.4
Overall Flexural Rigidity[4]	mg-cm	3,000,000
Radial Stiffness at low strain @ 0.5% Strain[5]	kN/m (lb/ft)	437 (30,000)

DURABILITY

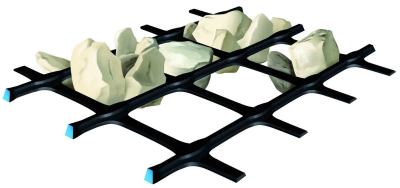
Resistance to Installation Damage[6]	%SC/%SW/%GP	100/100/100
Resistance to Long Term Degradation[7]	%	100
Resistance to UV Degradation[8]	%	100
Declared Service life[9]	years	100

GEOTEXTILE HYDRAULIC PROPERTIES[1]

	TEST METHOD	ENGLISH	METRIC
Apparent Opening Size (AOS)	ASTM D-4751	70 US Std. Sieve	0.212 mm
Permittivity	ASTM D-4491	1.5 sec^{-1}	1.5 sec^{-1}
Water Flow Rate	ASTM D-4491	110 gpm/ft^2	4480 $l/min/m^2$

DIMENSIONS AND DELIVERY

The triplanar geogrid shall be delivered to the job site in roll form with each roll individually identified and nominally measuring 3.93m (12.9-FT) in width and 50m (164-FT) in length (235.0-sy).



Note

1. Property values for individual components are recorded prior to lamination.

Made in USA
TENAX CORPORATION
4800 E. Monument Street / Baltimore, MD 21205
phone 410-522-7000 / www.tenaxus.com