

TE-E12

12oz ENVIRONMENTAL NONWOVEN GEOTEXTILE



Titan has provided the containment and erosion control industries with the highest quality geotextiles available. Our nonwoven needle punched geotextiles are manufactured using polypropylene fibers, which are formed into a dimensionally stable network which allows the fibers to maintain their relative position. These products resist ultraviolet deterioration, rotting, biological degradation, and are inert to commonly encountered soil chemicals.

TESTED PROPERTY	TEST METHOD	UNIT ENGLISH (METRIC)	VALUE ENGLISH (METRIC)
Weight	ASTM D 5261	oz/yd ² (g/m ²)	12.0 (407)
Tensile Strength (Grab)	ASTM D 4632	lbs (N)	330 (1470)
Elongation	ASTM D 4632	%	50
Trapezoid Tear	ASTM D 4533	lbs (N)	125 (556)
Thickness*	ASTM D 5199	mils (mm)	120 (3.05)
CBR Puncture Resistance	ASTM D 6241	lbs (N)	900 (4000)
U.V. Resistance	ASTM D 4355	%/hrs	70/500
Apparent Opening Size (AOS)	ASTM D 4751	U.S. Sieve (mm)	100 (0.150)
Permittivity*	ASTM D 4491	sec ⁻¹	0.90
Permeability*	ASTM D 4491	cm/sec	0.3
Water Flow*	ASTM D 4491	gpm/ft ² (l/min/m ²)	70 (2544)
TYPICAL ROLL DIMENSIONS			
Roll Dimensions		ft	15 x 480
Roll Area		yd ²	800
Estimated Roll Weight		lbs	620

NOTES:

MARV. Minimum Average Roll Value.

Maximum average roll value ASTM D 4751- AOS.

Mullen Burst ASTM D 3768 has been removed. It is not recognized by ASTM D 35 on Geosynthetics.

Puncture ASTM D 4833 has been removed. It is not recognized by AASHTO M288 and has been replaced with CBR Puncture ASTM D 6241

*At time of manufacturing. Handling may change these properties.

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TITAN ENVIRONMENTAL CONTAINMENT

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