

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)
Grab Tensile	ASTM D 4632	lbs (N)	180 (800)
Grab Elongation	ASTM D 4632	%	50
CBR Puncture Resistance	ASTM D 6241	lbs (N)	460 (2047)
Trapezoid Tear	ASTM D 4533	lbs (N)	75 (333)
Permittivity*	ASTM D 4491	1/sec	1.5
Water Flow*	ASTM D 4491	gpm/ft <sup>(2)</sup> (l/min/m <sup>(2)</sup> )	100 (4074)
Apparent Opening Size (AOS)	ASTM D 4751	US Sieve (mm)	70 (0.212)
U.V. Resistance	ASTM D 4355	%/hrs	70/500
TYPICAL ROLL DIMENSIONS			
Roll Dimensions		ft	12.5 x 360 15 x 300
Roll Area		yd <sup>(2)</sup>	500
Estimated Roll weight		lbs	220

**NOTES:**

ARV. 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.

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