

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)	320 (1424)
Grab Elongation	ASTM D 4632	%	50
CBR Puncture Resistance <sup>(1)</sup>	ASTM D 6241	lbs (N)	900 (4000)
Thickness*	ASTM D 5199	mils (mm)	120 (3.05)
Trapezoid Tear <sup>(1)</sup>	ASTM D 4533	lbs (N)	125 (556)
Permittivity* <sup>(1)</sup>	ASTM D 4491	1/sec	0.7
Permeability*	ASTM D 4491	cm/sec	0.13
Water Flow* <sup>(1)</sup>	ASTM D 4491	gpm/ft <sup>2</sup> (l/min/m <sup>2</sup> )	50 (2037)
Apparent Opening Size (AOS) <sup>(2)(3)</sup>	ASTM D 4751	US Sieve (mm)	100 (0.150)
U.V. Resistance	ASTM D4355	%/hrs	70/500
Weight	ASTM D 5261	oz/yd <sup>2</sup> (g/m <sup>2</sup> )	12.0 (407)
TYPICAL ROLL DIMENSIONS			
Roll Dimensions		ft	15 x 300
Roll Area		yd <sup>2</sup>	500
Estimated Roll weight		lbs	415

**NOTES:**

1. MARV = Minimum Average Roll Value.
2. Maximum average roll value as per ASTM D 4751.
3. At the time of manufacturing. Handling may change these properties.

Mullen Burst (ASTM D 3786) has been removed. It is not recognized by ASTM D 35 on Geosynthetics.

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

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

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