

# TE-M145

## MONOFILAMENT GEOTEXTILE



Titan's Monofilament Geotextiles are manufactured using high-tenacity monofilament polypropylene yarns that are woven to form a dimensionally stable network, which allows the yarns to maintain their relative position. These fabrics offer optimum performance when used in stabilization applications. Produced from the first quality raw materials, they provide the perfect balance of strength and separation in styles capable of functioning exceptionally well in a wide range of performance requirements. They resist ultraviolet, biological degradation, and rotting, and are chemically inert to any natural bases or acids.

TESTED PROPERTY	TEST METHOD	UNIT ENGLISH (METRIC)	VALUE ENGLISH (METRIC)
Grab Tensile	ASTM D 4632	lbs (N)	365 x 200 (1,624 x 890)
Grab Elongation	ASTM D 4632	%	24 x 15
CBR Puncture Resistance	ASTM D 6241	lbs (N)	750 (3,336)
Trapezoidal Tear	ASTM D 4533	lbs (N)	100 x 70 (445 x 312)
Permittivity*	ASTM D 4491	1/sec	2.1
Permeability	ASTM D 4491	cm/sec	0.14
Water Flow*	ASTM D 4491	gpm/ft <sup>2</sup> (lpm/m <sup>2</sup> )	145 (5,907)
Apparent Opening Size (AOS)	ASTM D 4751	US Sieve (mm)	40 (.425)
U.V. Resistance	ASTM D 4355	%/hrs	90/500
Percent Open Area (POA)	COE-02215	%	10
<b>TYPICAL ROLL DIMENSIONS</b>			
Roll Dimensions		ft (m)	6.25 x 300 (1.91 x 91.5) 12.5 x 300 (3.81 x 91.5)
Roll Area		Yd <sup>2</sup> (m <sup>2</sup> )	208.3 (17.2) 416.7 (348.4)
Estimated Roll Weight		lbs	155

**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.

\*At time of manufacturing. Handling, storage, and shipping may change these properties.

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### Titan Environmental Containment

Toll free: 1-866-327-1957 | info@titanenviro.com | [TitanEnviro.com](http://TitanEnviro.com)