

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 and 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
Trapezoidal Tear	ASTM D 4533	lbs (N)	115 x 75 (512 x 334)
CBR Puncture Resistance	ASTM D 6241	lbs (N)	750 (3,336)
Wide Width Tensile	ASTM D 4595	lbs/ft (kN/m)	2,400 x 1,680 (35 x 24)
Permittivity*	ASTM D 4491	sec ⁻¹	2.1
Permeability	ASTM D 4491	cm/sec	0.14
Water Flow*	ASTM D 4491	gpm/ft ² (lpm/m ²)	145 (5,907)
Apparent Opening Size (AOS)	ASTM D 4751	U.S. Sieve (mm)	40 (.425)
Percent Open Area (POA)	COE-02215	%	10
U.V. Resistance	ASTM D 4355	%/hrs	90/500
TYPICAL ROLL DIMENSIONS			
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 ² (m ²)	208.3 (17.2) 416.7 (348.4)
Estimated Roll Weight		lbs	155

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, storage, and shipping may change these properties.

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TITAN ENVIRONMENTAL CONTAINMENT

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