

TE-W270

WOVEN GEOTEXTILE



TE-W270 is manufactured using high-tenacity polypropylene yarns that are woven to form a dimensionally stable network, which allows the yarns to maintain their relative position. TE-W270 resists ultraviolet deterioration, rotting, and biological degradation and is inert to commonly encountered soil chemicals.

TESTED PROPERTY	TEST METHOD	UNIT ENGLISH (METRIC)	VALUE ENGLISH (METRIC)
Grab Tensile	ASTM D 4632	lbs (N)	270 (1201)
Grab Elongation	ASTM D 4632	%	15
Trapezoidal Tear	ASTM D 4533	lbs (N)	100 (440)
CBR Puncture Resistance	ASTM D 6241	lbs (N)	850 (3783)
Permittivity*	ASTM D 4491	1/sec	0.05
Water Flow*	ASTM D 4491	gpm/ft ⁽²⁾ (l/min/m ⁽²⁾)	4 (163)
Apparent Opening Size (AOS)	ASTM D 4751	US Sieve (mm)	40 (.425)
UV Resistance	ASTM D 4355	%/hrs	70/500
TYPICAL ROLL DIMENSIONS			
Roll Dimensions		ft	12.5 x 360 15 x 300 17.5 x 258
Roll Area		yd ⁽²⁾	500
Estimated Roll Weight		lbs	310

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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