

TE-270HP

HIGH STRENGTH WOVEN GEOTEXTILE



TE-270HP 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-270HP resists ultraviolet deterioration, rotting, and biological degradation and is inert to commonly encountered soil chemicals.

TESTED PROPERTY	TEST METHOD	VALUE METRIC	VALUE ENGLISH (IMPERIAL)
Grab Tensile ⁽¹⁾	ASTM D 4632	1334 X 1112 N	300 x 250 lbs
Grab Elongation	ASTM D 4632	15% x 12%	15% x 12%
CBR Puncture Resistance ⁽¹⁾	ASTM D 6241	5,115 N	1,150 lbs
Wide Width Tensile ⁽¹⁾	ASTM D 4595	41.6 x 36.5 kN/m	2,850 x 2,500 lbs/ft
Wide Width Tensile @ 2% Strain ⁽¹⁾	ASTM D 4595	9.8 x 10.2 kN/m	675 x 700 lbs/ft
Wide Width Tensile @ 5% Strain ⁽¹⁾	ASTM D4595	21.9 x 21 kN/m	1,500 x 1,440 lbs/ft
Trapezoidal Tear ⁽¹⁾	ASTM D 4533	578 x 445 N	130 x 100 lbs
Permittivity* ⁽¹⁾	ASTM D 4491	0.70 sec ⁻¹	0.70 sec ⁻¹
Permeability	ASTM D 4491	0.04 cm/sec	0.015 in/sec
Water Flow* ⁽¹⁾	ASTM D 4491	2,037 lpm/m ²	50 gpm/ft ²
Apparent Opening Size (AOS)* ⁽²⁾	ASTM D 4751	0.60 mm	30 US Std. Sieve
UV Resistance @ 500 hrs	ASTM D 4355	80%	80%
TYPICAL ROLL DIMENSIONS			
Roll Dimensions		4.6 m x 91.4 m	15 ft x 300 ft
Roll Area		418 m ²	500 yd ²

NOTES:

1. MARV = Minimum Average Roll Value.

2. Maximum average roll value as per ASTM D 4751.

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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