

TE-3x3HF

HIGH STRENGTH WOVEN GEOTEXTILE



Titan 3x3HF 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. Titan 3x3HF 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)
Tensile Strength (Grab)	ASTM D 4632	lbs (N)	450 x 350 (2003 x 1558)
Elongation	ASTM D 4632	%	15 x 6
Wide Width Tensile	ASTM D 4595	lbs/ft (kN/m)	3600 x 3600 (52.5 x 52.5)
Wide Width Elongation	ASTM D 4595	%	15 x 10
Wide Width Tensile (5% strain)	ASTM D 4595	lbs/ft (kN/m)	1392 x 1740 (20.3 x 25.4)
CBR Puncture	ASTM D 6241	lbs (N)	1600 (7120)
Trapezoidal Tear	ASTM D 4533	lbs (N)	180 x 140 (801 x 623)
UV Resistance	ASTM D 4355	%/hrs	80/500
Apparent Opening Size (AOS)*	ASTM D 4751	US Std Sieve (mm)	30 (0.60)
Permittivity	ASTM D 4491	sec ⁻¹	0.52
Water Flow Rate	ASTM D 4491	gpm/ft ² (lpm/m ²)	40 (1630)
TYPICAL ROLL DIMENSIONS			
Roll Width		ft (m)	15 (4.57)
Roll Length		ft (m)	300 (91.5)

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.

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TITAN ENVIRONMENTAL CONTAINMENT

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