

TE-4x4HF

HIGH STRENGTH WOVEN GEOTEXTILE



Titan 4x4HF 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 4x4HF 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)	575 x 500 (2558 x 2225)
Grab Elongation	ASTM D 4632	%	15 x 12
CBR Puncture Resistance	ASTM D 6241	lbs (N)	2200 (9786)
Wide Width Tensile	ASTM D 4595	lbs/ft (kN/m)	4800 x 4800 (70.1 x 70.1)
Wide Width Elongation	ASTM D 4595	%	8 x 6
Wide Width Tensile (5% strain)	ASTM D 4595	lbs/ft (kN/m)	1452 x 2604 (21.2 x 38)
Trapezoidal Tear	ASTM D 4533	lbs (N)	200 x 200 (890 x 890)
Permittivity*	ASTM D 4491	1/sec	0.15
Water Flow*	ASTM D 4491	gpm/ft ² (lpm/m ²)	10 (407.4)
Apparent Opening Size (AOS)	ASTM D 4751	US Sieve (mm)	30 (0.60)
UV Resistance	ASTM D4355	%/hrs	90/500
TYPICAL ROLL DIMENSIONS			
Roll Width		ft (m)	15 (4.57)
Roll Length		ft (m)	300 (91.5)

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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Titan Environmental Containment

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