

PRODUCT SPECIFICATIONS

Nilex 2044HF High Strength Woven Geotextile

Nilex 2044HF 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.

Nilex 2044HF resists ultraviolet deterioration, rotting, and biological degradation and is inert to commonly encountered soil chemicals.

PROPERTY	TEST	UNIT	VALUE (MARV)
Mechanical			
Grab Tensile Strength	ASTM D4632	N (lb)	2114 x 1958 (475 x 440)
Grab Elongation	ASTM D4632	%	15 x 15
Trapezoidal Tear Strength	ASTM D4533	N (lb)	890 x 890 (200 x 200)
CBR Puncture	ASTM D6241	N (lb)	9790 (2200)
Wide Width Tensile	ASTM D4595	kN/m (lbs/ft)	73 x 75.9 (5000 x 5200)
Wide Width Tensile (2% Strain)	ASTM D4595	kN/m (lbs/ft)	15.35 x 22 (1050 x 1510)
Wide Width Tensile (5% Strain)	ASTM D4595	kN/m (lbs/ft)	39.4 x 43.8 (2700 x 3000)
Wide Width Tensile (10% Strain)	ASTM D4595	kN/m (lbs/ft)	70.1 x ----- (4800 x -----)
Hydraulic			
Apparent Opening Size (AOS)*	ASTM D4751	mm (std. sieve)	0.60 (#30)
Permittivity	ASTM D4491	sec ⁻¹	.40
Permeability	ASTM D4491	cm/sec	.05
Water Flow Rate	ASTM D4491	lpm/m ² (gpm/ft ²)	1222 (30)
Endurance			
UV Resistance (500 hrs)	ASTM D4355	%	80
Packaging			
Roll Size	Measured	m (ft)	4.6 x 91.5 (15 x 300)

*Maximum Average Roll Valve

Notes: Mullen Burst ASTM D3786 and Puncture Strength ASTM D4833 are no longer recognized by ASTM Committee D35 as an acceptable geotextile test method. Puncture Strength ASTM 4833 has been replaced with the Static (CBR) Puncture ASTM D6241. For more information, refer to the ASTM website at www.astm.org

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