

PRODUCT SPECIFICATIONS

Nilex Nonwoven 4508E

PROPERTY	TEST	UNIT	VALUE (MARV)
Physical Properties			
Mass/Unit Area	ASTM D-5261	g/m ² (oz/yd ²)	271 (8.0)
Thickness	ASTM D-5199	mm (mils)	2.3 (90)
Mechanical			
Grab Tensile Strength	ASTM D-4632	N (lb)	979 (220)
Elongation	ASTM D-4632	%	50
Puncture Strength	ASTM D-4833	N (lb)	601 (135)
CBR Puncture*	ASTM D-6241	N (lb)	2558 (575)
Mullen Burst	ASTM D-3786	kPa (psi)	2895 (420)
Trapezoidal Tear	ASTM D-4533	N (lb)	423 (95)
Hydraulic			
Apparent Opening Size (AOS) ³	ASTM D-4751	mm (US Sieve)	0.180 (#80)
Permittivity	ASTM D-4491	sec ⁻¹	1.5
Permeability	ASTM D-4491	cm/sec	0.38
Water Flow Rate	ASTM D-4491	l/m/m ² (gpm/ft ²)	4482 (110)
Endurance			
UV Resistance	ASTM D-4355	% retained at 500 hrs	70
Packaging			
Roll Size	Measured	m (ft)	4.57 x 91.5 (15 x 300)

*Note: Mullen Burst ASTM D-3786 and Puncture Strength ASTM D-4833 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 D-6241. For more information, refer to the ASTM website at www.astm.org

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