

PRODUCT SPECIFICATIONS

Nilex Nonwoven 4553

Nilex 4553 is a polypropylene, staple fiber, needle-punched nonwoven geotextile produced by Nilex, and will meet the following Minimum Average Roll Values (MARV) when tested in accordance with the methods listed below. The fibers are needed to form a stable network that retains dimensional stability relative to each other. The geotextile is resistant to ultraviolet degradation and to biological and chemical environments normally found in soils.

PROPERTY	TEST	UNIT	VALUE (MARV)
Mechanical			
Grab Tensile Strength	ASTM D-4632	N (lb)	912 (205)
Elongation	ASTM D-4632	%	50
CBR Puncture*	ASTM D-6241	N (lb)	2335 (525)
Trapezoidal Tear	ASTM D-4533	N (lb)	356 (80)
Hydraulic			
Apparent Opening Size	ASTM D-4751	mm (US Sieve)	0.180 (#80)
Permittivity	ASTM D-4491	sec ⁻¹	1.5
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)	3.81 x 109.8 (12.5 x 360) 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

Additionally, Nilex Nonwoven 4553 meets AASHTO M288 Class 1 design.

Disclaimer: The information provided by Nilex is believed to be correct and is generally based on information supplied by the manufacturers of the product offered. Any recommendations made by Nilex concerning uses or applications of our products are also believed to be reliable; however, as Nilex has no control over design execution, and field conditions of the project which incorporate the product. Nilex disclaims all warranties, expressed or implied, including, without limitation, the warranties of merchantability and/or fitness for a particular purpose.