



FILTER FABRICS

Product Data Sheet

NG (Nonwoven Geotextile) is a needlepunched nonwoven geotextile made of 100% polypropylene staple fibers, which are formed into a random network for dimensional stability. NG resists ultraviolet deterioration, rotting, biological degradation, naturally encountered basics and acids. Polypropylene is stable within a pH range of 2 to 13. Below are the Index Property test values. Made in the U.S.A.

Minimum Average Roll Values (M.A.R.V.)

	<u>NG 3.5</u>		<u>NG 4.0</u>		<u>NG 4.2</u>		<u>NG 6.0</u>		<u>NG8.0</u>	
					AASHTO Class 3		AASHTO Class 2		AASHTO Class 1	
Weight oz/sy (g/sm) ASTM D 5261	3.5	(119)	4.0	(136)	4.2	(142)	6.0	(203)	8.0	(271)
Permittivity sec -1 ASTM D 4491	2.2		2.0		1.7		1.5		1.35	
AOS US Sieve (mm) ASTM D 4751	50	(0.300)	70	(0.212)	70	(0.212)	70	(0.212)	80	(0.180)
Grab Elongation (%) ASTM D 4632	50		50		50		50		50	
Trapezoid Tear lbs (kN) ASTM D 4533	40	(0.178)	50	(0.222)	50	(0.222)	60	(0.267)	85	(0.378)
Grab Tensile lbs (kN) ASTM D 4632	90	(0.401)	100	(0.445)	120	(0.533)	160	(0.711)	205	(0.911)
Puncture Resistance lbs(kN) ASTM D 4833	60	(0.267)	65	(0.289)	65	(0.290)	90	(0.400)	120	(0.533)
UV Resistance %/hrs ASTM D 4355	70 / 500		70 / 500		70 / 500		70 / 500		70 / 500	
Water Flow gpm/sf(l/min/sm) ASTM D 4491	150	(6095)	140	(5689)	120	(4885)	110	(4480)	90	(3657)
Mullen Burst psi (kPa) ASTM D 3786	210	(1448)	210	(1448)	225	(1489)	305	(2103)	350	(2413)
CBR Puncture lbs (kN) ASTM D 6241	300	(1.32)	300	(1.32)	340	(1.46)	410	(1.82)	535	(2.38)
Square Yards Per Roll	500 / 600		500 / 600		500 / 600		500		500	
Roll Weight lbs	130 / 155		146 / 172		152 / 180		195		250	
Roll Dimensions (W x L) - ft	12.5/15 x 360		12.5/15 x 360		12.5/15 x 360		15x300		15x300	

October 2013

The use and selection of the product above should be completed by a competent design professional. Specifications as outlined above are subject to change. The products above are specifically designed for subsoil filtration. Earth Wall Products, LLC has compiled the above information based on tests conducted in accordance with recognized Industry Standards. Earth Wall Products will have no liability for consequential damages. No warranties are express or implied, including without limitation any warranties of fitness for a particular purpose, marketability, value, or condition. Regardless of the cause of action or legal theory, the liability of Earth Wall Products shall be limited to the fee paid to Earth Wall Products. Copyright 2013 by Earth Wall Products, LLC.

EARTH WALL PRODUCTS

Marietta, GA 30064 | PH 770.378.5012

earthwallproducts.com