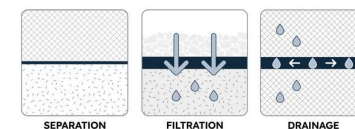


MIRAFI N-Series

Drainage and filtration

MIRAFI N-Series nonwoven geotextiles provide excellent physical and hydraulic properties including high flow rates and small opening sizes. They can be used in a wide range of applications including soil separation, drainage and geomembrane liner protection within landfills.



FEATURES AND BENEFITS

- Easily conforms to the ground or trench surface for trouble-free installation.
- Provides high puncture and tear resistance to withstand severe installation stresses.
- Provides high water flow rates and excellent filtration properties.
- Chemically stable in a wide range of aggressive environments.
- Offers a cost-effective alternative to graded-aggregate filters.

APPLICATIONS

- Flexible pavements
- Unpaved roadways
- Airport pavements
- Railway construction & ballast stabilization
- Parking lots

Properties	Test Method	Units	140NL	140NC	140N	160N	170N	180N	1100N	1120N	1160N
Minimum Average Roll Value (MARV)											
Strength											
Grab Tensile Strength	ASTM D4632	lb (N)	90 (401)	100 (445)	120 (534)	160 (712)	180 (801)	205 (912)	250 (1113)	300 (1335)	380 (1691)
Grab Tensile Elongation	ASTM D4632	%	50	50	50	50	50	50	50	50	50
Trapezoid Tear Strength	ASTM D4533	lb (N)	40 (178)	45 (200)	50 (223)	60 (267)	75 (334)	80 (356)	100 (445)	115 (512)	140 (623)
CBR Puncture Strength	ASTM D6241	lb (N)	250 (1113)	250 (1113)	310 (1380)	410 (1825)	450 (2003)	500 (2224)	700 (3115)	800 (3560)	1025 (4561)
Maximum Operating Size											
Apparent Opening Size	ASTM D4751	US Sieve (mm)	50 (0.30)	70 (0.212)	70 (0.212)	70 (0.212)	70 (0.212)	80 (0.18)	100 (0.15)	100 (0.15)	100 (0.15)
Minimum Roll Value											
Permittivity	ASTM D4491	sec ⁻¹	2.0	2.0	1.7	1.5	1.4	1.4	0.8	0.8	0.7
Flow Rate	ASTM D4491	gal/min/ft ² (l/min/m ²)	145 (5907)	140 (5704)	135 (5500)	110 (4481)	105 (4278)	95 (3870)	75 (3056)	65 (2648)	50 (2037)
Minimum Test Value											
UV Resistance (at 500 hrs)	ASTM D4355	% Strength	70	70	70	70	70	70	70	70	70