TENCATE Mirafi

Drainage Separation

Mirafi® 160N

Mirafi® 160N is a needlepunched nonwoven geotextile composed of polypropylene fibers, which are formed into a stable network such that the fibers retain their relative position. Mirafi® 160N geotextile is inert to biological degradation and resists naturally encountered chemicals, alkalis, and acids. Mirafi® 160N meets Aashto M288-06 Class 2.

Mechanical Properties	Test Method	Unit	Minimum Average Roll Value	
			MD	CD
Grab Tensile Strength	ASTM D 4632	N (lbs)	712 (160)	712 (160)
Grab Tensile Elongation	ASTM D 4632	%	50	50
Trapezoid Tear Strength	ASTM D 4533	N (lbs)	267 (60)	267 (60)
CBR Puncture Strength	ASTM D 6241	N (lbs)	1780 (400)	
Apparent Opening Size (AOS)[1]	ASTM D 4751	mm (U.S. Sieve)	0.212 (70)	
Permittivity	ASTM D 4491	sec^{-1}	1.4	
Flow Rate	ASTM D 4491	$l/min/m^2$ ($gal/min/ft^2$)	4481 (110)	
UV Resistance (at 500 hours)	ASTM D 4355	% strength retained	70	

[1] ASTM D 4751: AOS is a Maximum Opening Diameter Value
NTPEP No. GTX-08-04-20

Physical Properties	Test Method	Unit	Typical Value
Weight	ASTM D 5261	g/m^2 (oz/yd^2)	220 (6.5)
Thickness	ASTM D 5199	mm (mils)	1.7 (65)
Roll Dimensions (width x length)	--	m (ft)	4.5 x 91 (15 x 300)
Roll Area	--	m^2 (yd^2)	418 (500)
Estimated Roll Weight	--	kg (lb)	97 (215)

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TENCATE materials that make a difference

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