



## Mirafi<sup>®</sup> MPV500

Mirafi<sup>®</sup> MPV500 is a heat-set, nonwoven, polypropylene geotextile with high asphalt absorption, specifically designed for asphalt overly applications. Mirafi<sup>®</sup> MPV500 meets the AASHTO M 288-00 specification for paving fabrics. Mirafi<sup>®</sup> MPV500 is inert to biological degradation and resistant to naturally encountered chemicals, alkalis, and acids.

Mechanical Properties	Test Method	Unit	Minimum Average Roll Value	
			MD	CD
Grab Tensile Strength	ASTM D 4632	kN (lbs)	0.449 (101)	0.449 (101)
Grab Tensile Elongation	ASTM D 4632	%	50	50
Grab Tensile Asphalt Saturated	ASTM D 4632, modified <sup>1</sup>	kN (lbs)	0.979 (220)	
Grab Tensile Elongation Asphalt Saturated	ASTM D 4632, modified <sup>1</sup>	%	40 – 70	
Mullen Burst Strength	ASTM D 3786	kPa (psi)	1378 (200)	
Asphalt Retention	ASTM D 6140	l/m <sup>2</sup> (gal/yd <sup>2</sup> ) (oz/ft <sup>2</sup> )	1.223 (0.27) (3.84)	
Change in Area Asphalt Saturated	TX DOT 3099	%	+ / - 15	
Melting Point	ASTM D 276	°C (°F)	163 (325)	
Mass per Unit Area	ASTM D 5261	g/m <sup>2</sup> (oz/yd <sup>2</sup> )	139 (4.1)	
UV Resistance after 500 hours	ASTM D 4355	% Strength Retained	70	

Physical Properties	Unit	Typical Value		
Roll Width	m (ft)	3.2 (10.5)	3.8 (12.5)	4.4 (14.5)
Roll Length	m (ft)	110 (360)	110 (360)	110 (360)
Roll Area	m <sup>2</sup> (yd <sup>2</sup> )	351 (420)	418 (500)	485 (580)
Estimated Roll Weight	kg (lbs)	61 (134)	72 (159)	84 (184)

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<sup>1</sup> Modification to procedure: Sample is saturated with Asphalt.