



Mirafi



Mirafi[®] MPV500

Mirafi[®] MPV500 is a heat-set, nonwoven, polypropylene geotextile with high asphalt absorption, specifically designed for asphalt overly applications. Mirafi[®] MPV500 meets the AASHTO M 288-00 specification for paving fabrics. Mirafi[®] 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)	0.45 (101)	0.45 (101)
Grab Tensile Elongation	ASTM D 4632	%	50	50
Grab Tensile Asphalt Saturated	ASTM D 4632, modified ¹	kN (lbs)	0.89 (200)	
Grab Tensile Elongation Asphalt Saturated	ASTM D 4632, modified ¹	%	40 – 70	
Mullen Burst Strength	ASTM D 3786	kPa (psi)	1378 (200)	
Asphalt Retention	ASTM D 6140	l/m ² (gal/yd ²) (oz/ft ²)	1.13 (0.25) (3.6)	
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 ² (oz/yd ²)	140 (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 ² (yd ²)	351 (420)	418 (500)	485 (580)
Estimated Roll Weight	kg (lbs)	61 (134)	72 (159)	84 (184)

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¹ Modification to procedure: Sample is saturated with Asphalt.