



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 M288 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 D4632	lbs (N)	101 (449)	
Grab Tensile Elongation	ASTM D4632	%	50	
Grab Tensile Asphalt Saturated	ASTM D4632, modified ¹	lbs (N)	220 (979)	
Grab Tensile Elongation Asphalt Saturated	ASTM D4632, modified ¹	%	40 – 70	
Asphalt Retention	ASTM D6140	gal/yd ² (l/m ²)	0.27 (1.2)	
Change in Area Asphalt Saturated	TX DOT 3099	%	± 15	
Melting Point	ASTM D276	F° (C°)	325 (163)	
Mass per Unit Area	ASTM D5261	oz/yd ² (g/m ²)	4.1 (140)	
UV Resistance after 500 hours	ASTM D4355	% Strength Retained	70	

Physical Properties	Unit	Typical Value		
Roll Width	ft (m)	10.5 (3.2)	12.5 (3.8)	14.5 (4.4)
Roll Length	ft (m)	360 (110)	360 (110)	360 (110)
Roll Area	yd ² (m ²)	420 (351)	500 (418)	580 (485)
Estimated Roll Weight	lbs (kg)	125 (57)	149 (67)	173 (78)

¹ Modification to procedure: Sample is saturated with Asphalt.

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