

# Mirafi<sup>®</sup> MPG<sup>4</sup> (PGM-G<sup>4</sup>)

Mirafi<sup>®</sup> MPG<sup>4</sup> (PGM-G<sup>4</sup>) is a 100% polypropylene filament nonwoven fabric, reinforced by mechanically bonded multi-axial network of reinforcing glass filaments. Mirafi<sup>®</sup> MPG<sup>4</sup> (PGM-G<sup>4</sup>) was especially developed for the rehabilitation of asphalt roads.

TenCate Geosynthetics Americas Laboratories are accredited by Geosynthetic Accreditation Institute – Laboratory Accreditation Program (GAI-LAP).

Mechanical Properties	Test Method	Unit	Average Roll Value
Tensile Strength @ 0°	ASTM D6637 Method A modified	lbs/in (kN/m )	459 (80)
Tensile Strength @ 90°			459 (80)
Tensile Strength @ 45°			459 (80)
Tensile Strength @ -45°			459 (80)
Tensile Elongation		%	< 3
Mass/Unit Area	ASTM D5261	oz/yd <sup>2</sup> (g/m <sup>2</sup> )	16.6 (563)
			<b>Minimum Test Value</b>
Melting Point <sup>1</sup>	ASTM D276	F° (C°)	Glass filaments are incombustible and temperature resistant up to 1472° (800°)
Asphalt Retention	ASTM D6140	gal/yd <sup>2</sup> (l/m <sup>2</sup> )	0.17 (0.8)
Glass by Weight		%	85

Physical Properties	Unit	Roll Characteristics	
Roll Dimensions (width x length)	ft (m)	6.25 x 300 (1.9 x 94.1)	12.5 x 150 (3.8 x 45.7)
Roll Area	yd <sup>2</sup> (m <sup>2</sup> )	208 (174)	
Estimated Roll Weight	lbs (kg)	228 (103)	

<sup>1</sup> Melting Point for Fiberglass

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# Mirafi® MPG100 (PGM-G100/100)

This is to certify that Mirafi® MPG100 (PGM-G 100/100) is a 100% polypropylene filament nonwoven fabric, reinforced by mechanically bonded bi-axial network of reinforcing glass filaments. Mirafi® MPG100 (PGM-G 100/100) was especially developed for the rehabilitation of asphalt roads.

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Mechanical Properties	Test Method	Unit	Average Roll Value
Tensile Strength @ 0°	ASTM D6637 Method A modified	lbs/in (kN/m )	655 (115)
Tensile Strength @ 90°			655 (115)
Tensile Elongation		%	< 3
Melting Point <sup>1</sup>	ASTM D276	F° (C°)	Glass filaments are incombustible and temperature resistant up to 1472° (800°)
Mass/Unit Area	ASTM D5261	oz/yd <sup>2</sup> (g/m <sup>2</sup> )	20.0 (678)
Glass by Weight		%	77.4
			Minimum Test Value
Asphalt Retention	ASTM D6140	gal/yd <sup>2</sup> (l/m <sup>2</sup> )	0.27 (1.2)

Physical Properties	Unit	Roll Characteristics	
Roll Dimensions (width x length)	ft (m)	6.25 x 300 (1.9 x 91)	12.5 x 150 (3.8 x 45.7)
Roll Area	yd <sup>2</sup> (m <sup>2</sup> )	208 (174)	
Estimated Roll Weight	lbs (kg)	260 (169)	

<sup>1</sup> Melting Point for the Fiberglass

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GAI-LAP-25-97