

Mirafi[®] MPM30 (PGM-30)



Mirafi[®] MPM30 (PGM-30) is constructed of high strength glass filaments bonded to a polyester fabric. Mirafi[®] MPM (PGM-30) 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	Minimum Average Roll Value
Tensile Strength @ 0°	ASTM D5035 (2C-E)	lbs	200
Tensile Strength @ 90°			200
Tensile Elongation	ASTM D5035	%	< 5
			Minimum Test Value
Melting Point	ASTM D276	F° (C°)	450° (232°)
Asphalt Retention	ASTM D6140	gal/yd ²	0.10
Mass/Unit Area	ASTM D5261	oz/yd ²	4.0

Physical Properties	Unit	Roll Characteristics	
Roll Dimensions (width x length)	ft	10 x 450	12.5 x 360
Roll Area	yd ²	500	500
Estimated Roll Weight	lbs	172	172

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Mirafi[®] MPM50 (PGM-50)

Mirafi[®] MPM50 (PGM-50) is constructed of high strength glass filaments bonded to a polyester fabric. Mirafi[®] MPM50 (PGM-50) was especially developed for the rehabilitation of asphalt roads.

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Mechanical Properties	Test Method	Unit	Minimum Average Roll Value
Tensile Strength @ 0°	ASTM D5035 (2C-E)	lbs	280
Tensile Strength @ 90°			280
Tensile Elongation		%	< 5
			Minimum Test Value
Melting Point	ASTM D276	F° (C°)	450° (232°)
Asphalt Retention	ASTM D6140	gal/yd ²	0.12
Mass/Unit Area	ASTM D5261	oz/yd ² (g/m ²)	7.0 (327)

Physical Properties	Unit	Roll Characteristics	
Roll Dimensions (width x length)	ft	10 x 315	12.5 x 250
Roll Area	yd ²	350	347
Estimated Roll Weight	lbs	164	163

¹ Three (3) Fiberglass Yarns must be included in width of sample tested Tensile Elongation is measured with an extensometer to provide accurate results. Section 11.7 allows for coating of specimen to reduce slippage and jaw breaks during testing. ASTM test method D5035 is a small sample index test (one-inch square jaws) used for quality control testing and is reported in lbf/in based on 1" sample.

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