



Mirafi[®] FGC100

Mirafi[®] FGC100 is composed of high modulus fiberglass grids that are bonded to a nonwoven paving fabric meeting AASHTO specifications. Mirafi[®] FGC100 products are specifically designed for use in the construction of asphalt hot mix overlay repair of flexible (asphalt) and rigid (concrete) pavements such as roads, parking lots, airfields, and other paved surfaces.

Mechanical Properties	Test Method	Unit	Minimum Average Roll Value	
			MD	CD
Grid				
Tensile Strength (at ultimate)	ASTM D 6637 ¹	kN/m (lbs/in)	100.0 (571)	100.0 (571)
Tensile Strength (at 2% strain)	ASTM D 6637 ¹	kN/m (lbs/in)	50.0 (286)	50.0 (286)
Ultimate Elongation	ASTM D 6637 ¹	%	< 3	
Junction Strength	GRI/GG-2	kN (lbs)	0.08 (18)	
Peel Strength ²	ASTM D 413	kN/m (lbs/ft)	0.29 (20)	
Aperture Size ³ (typical value)	---	mm (in)	20.3 (0.8)	17.8 (0.7)
Fabric				
Grab Tensile Strength	ASTM D 4632	kN (lbs)	0.45 (101)	
Grab Tensile Elongation	ASTM D 4632	%	50	
Asphalt Retention ²	ASTM D 6140	l/m ² (gal/yd ²)	0.91 (0.20)	
Mass / Unit Area	ASTM D 5261	g/m ² (oz/yd ²)	139.0 (4.1)	

Physical Properties (Grid/Fabric)	Test Method	Unit	Typical Value
Mass/Unit Area	ASTM D 5261	g/m ² (oz/yd ²)	610.2 (18)
Roll Dimensions (width x length)	--	m (ft)	2 (6.58) x 55 (180)
Roll Area	--	m ² (yd ²)	110.4 (132)
Estimated Roll Weight	---	kg (lbs)	81.6 (180)

¹Modified test method tested at outside laboratory

²Test run with grid adhered to fabric

³Centerline to centerline average

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