



Mirafi[®] FW404

Mirafi[®] FW404 geotextile is composed of high-tenacity polypropylene monofilament yarns, which are woven into a stable network such that the yarns retain their relative position. Mirafi[®] FW404 geotextile is inert to biological degradation and resistant to naturally encountered chemicals, alkalis, and acids.

Mechanical Properties	Test Method	Unit	Typical Value	
			MD	CD
Wide Width Tensile Strength	ASTM D 4595	kN/m (lbs/in)	56.0 (320)	56.0 (320)
Grab Tensile Strength	ASTM D 4632	N (lbs)	2136 (480)	1691 (380)
Grab Tensile Elongation	ASTM D 4632	%	25	25
Trapezoid Tear Strength	ASTM D 4533	N (lbs)	912 (205)	1291 (290)
Mullen Burst Strength	ASTM D 3786	kPa (psi)	5649 (820)	
Puncture Strength ¹	ASTM D 4833	N (lbs)	846 (190)	
CBR Puncture Strength	ASTM D 6241	N (lbs)	5785 (1300)	
Apparent Opening Size (AOS) ²	ASTM D 4751	mm (U.S. Sieve)	0.30 (50)	
Percent Open Area	COE-02215	%	2.5	
Permittivity	ASTM D 4491	sec ⁻¹	1.1	
Permeability	ASTM D 4491	cm/sec	0.09	
Flow Rate	ASTM D 4491	l/min/m ² (gal/min/ft ²)	3056 (7570)	
Abrasion Resistance	ASTM D 4886	% retained	60	
UV Resistance (at 500 hours)	ASTM D 4355	% strength retained	90	

¹ ASTM D 4833 has been replaced with ASTM D 6241

² ASTM D 4751: AOS is a Maximum Opening Diameter Value

Physical Properties	Test Method	Unit	Typical Value
Mass/Unit Area	ASTM D 5261	g/m ² (oz/yd ²)	298.3 (8.8)
Thickness	ASTM D 5199	mm (mils)	0.9 (34)
Roll Dimensions (width x length)	--	m (ft)	4.5 (15) x 91 (300)
Roll Area	--	m ² (yd ²)	418 (500)
Estimated Roll Weight	---	kg (lbs)	132 (292)

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