



Mirafi[®] FW402

Mirafi[®] FW402 is composed of high-tenacity monofilament polypropylene yarns, which are woven into a stable network such that the yarns retain their relative position. Mirafi[®] FW402 is inert to biological degradation and resists naturally encountered chemicals, alkalis, and acids.

Mechanical Properties	Test Method	Unit	Minimum Average Roll Value	
			MD	CD
Wide Width Tensile Strength	ASTM D 4595	kN/m (lbs/ft)	35 (2400)	24 (1680)
Grab Tensile Strength	ASTM D 4632	kN (lbs)	1.62 (365)	0.89 (200)
Grab Tensile Elongation	ASTM D 4632	%	24	10
Trapezoid Tear Strength	ASTM D 4533	kN (lbs)	0.51 (115)	0.33 (75)
Mullen Burst Strength	ASTM D 3786	kPa (psi)	3097 (450)	
Puncture Strength ¹	ASTM D 4833	kN (lbs)	0.40 (90)	
CBR Puncture Strength	ASTM D 6241	kN (lbs)	3.0 (675)	
Apparent Opening Size (AOS)	ASTM D 4751	mm (U.S. Sieve)	0.425 (40)	
Percent Open Area	COE-02215	%	10	
Permittivity	ASTM D 4491	sec ⁻¹	2.1	
Permeability	ASTM D 4491	cm/sec	0.14	
Flow Rate	ASTM D 4491	l/min/m ² (gal/min/ft ²)	5907 (145)	
UV Resistance (at 500 hours)	ASTM D 4355	% strength retained	90	

¹ ASTM D 4833 has been replaced with ASTM D 6241

Physical Properties	Test Method	Unit	Typical Value
Mass/Unit Area	ASTM D 5261	g/m ² (oz/yd ²)	190 (5.6)
Thickness	ASTM D 5199	mm (mils)	0.71 (28)
Roll Dimensions (width x length)	--	m (ft)	3.8 (12.5) x 91 (300)
Roll Area	--	m ² (yd ²)	348 (417)
Estimated Roll Weight	---	kg (lbs)	76 (168)

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