



Mirafi[®] FW700

Mirafi[®] FW700 geotextile is composed of high-tenacity monofilament polypropylene yarns, which are woven into a stable network such that the yarns retain their relative position. Mirafi[®] FW700 geotextile is inert to biological degradation and resists naturally encountered chemicals, alkalis, and acids. NTPEP No. GTX-08-04-18

Mechanical Properties	Test Method	Unit	Minimum Average Roll Value	
			MD	CD
Wide Width Tensile Strength	ASTM D4595	lbs/in (kN/m)	225 (39.4)	145 (25.4)
Grab Tensile Strength	ASTM D4632	lbs (N)	370 (1647)	250 (1113)
Grab Tensile Elongation	ASTM D4632	%	15	15
Trapezoid Tear Strength	ASTM D4533	lbs (N)	100 (445)	60 (267)
CBR Puncture Strength	ASTM D6241	lbs (N)	950 (4228)	
Apparent Opening Size (AOS) ¹	ASTM D4751	U.S. Sieve (mm)	70 (0.212)	
Percent Open Area	COE-02215	%	4	
Permittivity	ASTM D4491	sec ⁻¹	0.28	
Permeability	ASTM D4491	cm/sec	0.01	
Flow Rate	ASTM D4491	gal/min/ft ² (l/min/m ²)	18 (733)	
UV Resistance (at 500 hours)	ASTM D4355	% strength retained	90	

¹ ASTM D4751: AOS is a Maximum Opening Diameter Value

Physical Properties	Test Method	Unit	Typical Value
Mass/Unit Area	ASTM D5261	oz/yd ² (g/m ²)	6.2 (210)
Thickness	ASTM D5199	mils (mm)	15 (0.4)
Roll Dimensions (width x length)	--	ft (m)	12 x 300 (3.7 x 91)
Roll Area	--	yd ² (m ²)	400 (334)
Estimated Roll Weight	---	lbs (kg)	164 (74)

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