TENCATE
Mirafi

Mirafi® FW300

Mirafi® FW300 is composed of high-tenacity monofilament polypropylene yarns, which are woven into a stable network such that the yarns retain their relative position. Mirafi® FW300 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)	40 (2760)	39 (2700)
Grab Tensile Strength	ASTM D 4632	kN (lbs)	1.78 (400)	1.49 (335)
Grab Tensile Elongation	ASTM D 4632	%	20	15
Trapezoid Tear Strength	ASTM D 4533	kN (lbs)	0.65 (145)	0.56 (125)
Mullen Burst Strength	ASTM D 3786	kPa (psi)	4473 (650)	
Puncture Strength	ASTM D 4833	kN (lbs)	0.56 (125)	
Apparent Opening Size (AOS)	ASTM D 4751	mm (U.S. Sieve)	0.600 (30)	
Percent Open Area	COE-22125-86	%	8	
Permittivity	ASTM D 4491	sec^{-1}	1.5	
Permeability	ASTM D 4491	cm/sec	0.132	
Flow Rate	ASTM D 4491	$l/min/m^2$ ($gal/min/ft^2$)	4685 (115)	
UV Resistance (at 500 hours)	ASTM D 4355	% strength retained	90	

Physical Properties	Test Method	Unit	Typical Value
Mass/Unit Area	ASTM D 5261	g/m^2 (oz/yd^2)	250 (7.4)
Thickness	ASTM D 5199	mm (mils)	0.86 (34)
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)	94 (207)

TENCATE
materials that make a difference

FGS000021
ETQR2