



■ FX[®] Woven Series of High-Performance Geotextiles

Carthage Mills' FX[®] series of woven high-performance/high-strength geotextiles are produced of 100% high-tenacity polypropylene yarns, are inert to biological degradation, and resistant to naturally encountered chemicals, alkalis and acids.

PROPERTY	ASTM TEST	UNIT	FX [®] -200MF	FX [®] -270MF	FX [®] -270TF	FX [®] -300MF	FX [®] -320TF	FX [®] -370MF	FX [®] -370TF	FX [®] -400MF	FX [®] -400TF	
<input type="checkbox"/> Mechanical/Performance	D 4595	lbs/in	200	220 x 205	250	300	333 x 300	300 x 225	350 x 340	400	430 x 425	
Wide Width Tensile Ultimate		lbs/ft	2400	2640 2460	3000	3600	3996 3600	3600 2700	4200 4080	4800	5160 5100	
Wide Width Elongation @ Ult.		%	12 x 8	10 x 9	12 x 8	15 x 10	12 x 10	NP	11 x 7	9	11 x 8	
Wide Width Tensile @ 2%		lbs/in		NP	40 x 49	40 x 65	NP	45 x 45	45 x 45	63 x 103	80 x 110	49 x 115
Wide Width Tensile @ 5%				65 x 117	101 x 113	110 x 147	116 x 145	113 x 113	125 x 130	159 x 222	200 x 225	169 x 254
Wide Width Tensile @ 10%				NP	195 x 200	225 x 250	NP	NP	200	315 x 340	400	375 x 425
<input type="checkbox"/> Mechanical/Index	D 4632	lbs	315	290 x 255	387 x 350	450 x 350	350 x 350	400 x 250	430 x 400	475 x 440	648 x 631	
Grab Tensile Elongation		%	15	15	24 x 18	15 x 6	12	15 x 10	21 x 16	12 x 6	23 x 20	
Mullen Burst	D 3786	psi	800	650	800	1000	1000	800	1000	1200	1350	
Trapezoidal Tear	D 4533	lbs	125	120 x 140	125	180 x 170	150	170 x 125	145 x 135	180	225 x 200	
Puncture	D 4833		140	120	169	180	180	180	211	200	278	
CBR Puncture	D 6241		NP	1000	1000	1600	1000	1300	1200	2000	1400	
<input type="checkbox"/> Endurance	D 4355	%	80	80	80	80	70	80	80	80	80	
UV Resistance												
<input type="checkbox"/> Hydraulics/Filtration	D 4491	sec ⁻¹	0.70	0.70	0.21	0.52	0.50	0.52	0.21	0.40	0.13	
Permittivity		gpm/ft ²	50	50	15.5	40	36	40	15.5	30	11	
Water Flow Rate	D 4751	US Std Sieve	40	30	35	30	30	30	40	30	80	
Apparent Opening Size (AOS)												
<input type="checkbox"/> Physical	Measured (Typical)	ft	15 x 300	13.1 x 164	15 x 300	12.5 x 360	15 x 300	15 x 300	15 x 300	15 x 300	15 x 300	
Standard Roll Sizes		yd ²	500	239	500	500	500	500	500	500	500	
Packaging	lbs	260	102	231	338	312	266	304	475	398		
Weight		ft	—	—	17.1 x 327	15 x 300	—	—	17.1 x 327	—	17.1 x 327	
		yd ²			622	500			622	622		
		lbs			287	342			379	490		

- Unless otherwise stated, all values stated here are Minimum Average Roll Values (MARV), are calculated as the Typical minus two standard deviations and are based on a 97.7% confidence level.
- The properties reported above are effective 04/23/09 and are subject to change without notice.

Seller makes no warranty, expressed or implied, concerning the product furnished hereunder other than at the time of delivery it shall be of the quality and specification stated herein. Any implied warranty of fitness for a particular purpose is expressly excluded, and, to the extent that it is contrary to the foregoing sentence, any implied warranty of merchantability is expressly excluded. Any recommendations made by seller concerning the uses or applications of said product are believed reliable and seller makes no warranty of results to be obtained. If the product does not meet Carthage Mills current published specifications, and the customer gives notice to Carthage Mills before installing the product, then Carthage Mills will replace the product without charge or refund the purchase price.