



■ FX[®] Woven Slit Film Series of Geotextiles

Carthage Mills' Woven Slit Film Series of Geotextiles of 100% polypropylene yarns provide separation of subgrade soils and base aggregates, and varying degrees of stabilization due to their high modulus (higher tensile strengths at low elongation).

PROPERTY	METHOD	UNIT	FX [®] -22	FX [®] -44	FX [®] -50	FX [®] -55	FX [®] -60	FX [®] -65	FX [®] -66
<input type="checkbox"/> Mechanical									
Grab Tensile Strength	ASTM D 4632	lbs	150 x 100	135	180	200	250	270	315
Grab Tensile Elongation		%	15%	15%	15%	15%	15%	15%	15%
Mullen Burst	ASTM D 3786	psi	NA	NA	305	400	500	400	630
Trapezoidal Tear	ASTM D 4533	lbs	40	55	70	75	90	100	115
Puncture	ASTM D 4833		60	65	70	95	100	100	120
CBR Puncture	ASTM D 6241		350	475	550	700	750	825	900
<input type="checkbox"/> Endurance									
UV Resistance	ASTM D 4355	% @ 500 hrs	70%	70%	70%	70%	70%	70%	70%
<input type="checkbox"/> Hydraulics / Filtration									
Permittivity ⁽¹⁾	ASTM D 4491	sec ⁻¹	0.08	0.05	0.05	0.05	0.05	0.05	0.05
Water Flow Rate ⁽¹⁾		gpm/ft ²	5.6	4	4	4	4	4	4
Percent Open Area	CW-02215	%	<1%	<1%	<1%	<1%	<1%	<1%	<1%
Apparent Opening Size (AOS) ⁽¹⁾	ASTM D 4751	US Std Sieve	30	30	20	40	40	40	40
<input type="checkbox"/> Physical									
Standard Roll Sizes	Measured (Typical)	ft (yd ²)	12.5 x 432 (600 yd ²); 15.0 x 360 (600 yd ²); 17.5 x 309 (600 yd ²) ⁽²⁾ Other sizes also available						

⁽¹⁾ At the time of manufacturing. Handling, storage and shipping may change these properties.

⁽²⁾ FX-44 Standard Roll Length in 17.5 ft wide rolls is 360 ft which is 700 yd² per roll.

- All values reported in this table are M.A.R.V. unless otherwise stated. Statistically, these values yield a 97.7% probability that any sample of geogrid tested will exceed the value reported.
- The properties reported above are effective 01/05/09 and subject to change without notice.

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