



## ■ FX™ Nonwoven Geotextiles – “HS” Series

Multipurpose Fabrics of 100% Polypropylene Staple Fibers, Needleponched and Heatset

English Values

PROPERTY	TEST METHOD	UNITS	FX™-30HS	FX™-35HS	FX™-40HS	FX™-45HS	FX™-60HS	FX™-70HS	FX™-80HS	FX™-100HS	FX™-120HS	FX™-160HS
<input type="checkbox"/> <b>Mechanical</b>												
Grab Tensile	ASTM D 4632	lbs	80	95	115	120	160	180	205	250	300	380
Grab Tensile Elongation		%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%
Wide Width Tensile	ASTM D 4595	lbs/in	30	35	40	45	60	65	75	100	105	150
Mullen Burst	ASTM D 3786	psi	150	185	210	230	280	330	350	460	580	750
Puncture	ASTM D 4833	lbs	50	55	65	65	85	100	110	150	175	240
Trapezoidal Tear	ASTM D 4533	lbs	30	40	50	50	60	75	85	100	115	150
<input type="checkbox"/> <b>Endurance</b>												
UV Resistance	ASTM D 4355	%	70%	70%	70%	70%	70%	70%	70%	70%	70%	70%
<input type="checkbox"/> <b>Hydraulics / Filtration</b>												
Apparent Opening Size (AOS)	ASTM D 4751	US Std Sieve	70	70	70	70	70	70	80	100	100	100
Percent Open Area	CW-02215	%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Permittivity	ASTM D 4491	sec <sup>-1</sup>	2.00	2.00	2.00	1.50	1.30	1.50	1.50	1.20	1.00	0.70
Permeability		cm/sec	0.22	0.25	0.22	0.22	0.24	0.34	0.38	0.30	0.29	0.27
Flow Rate		gpm/ft <sup>2</sup>	150	150	140	120	110	110	110	85	75	50
<input type="checkbox"/> <b>Physical / Dimensional</b>												
Mass Per Unit Area (Typical)	ASTM D 5261	oz/yd <sup>2</sup>	3.0	3.5	4.0	4.5	6.0	7.0	8.0	10.0	12.0	16.0
Thickness (Typical)	ASTM D 5261	mils	40	50	60	55	70	85	85	115	120	165

Unless otherwise noted, all properties reported are Minimum Average Roll Values (MARV), and are calculated as the typical minus two standard deviations. Statistically, it yields a 97.7% degree of confidence that any sample taken during quality assurance testing will exceed the value reported.

The properties reported above are effective 09/18/03 and are subject to change without notice.

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