RECON OUTFITTERS

VETERAN OWNED BUSINESS

DEWATERING FILTER LINERS

Dewatering Filter Liners enable the liquid and solid separation of various sludge waste. Whether using a dewatering container or sludge box, a modified roll-off, or any other custom container (such as a dewatering hopper), there is a solution for all your dewatering needs.

TYPICAL APPLICATIONS

- Industrial sludge
- Municipal sludge
- Cooling tower sludge
- Paint sludge
- Tank sludge
- Drilling mud and frac sand
- Storm drains, ditches and sump cleaning

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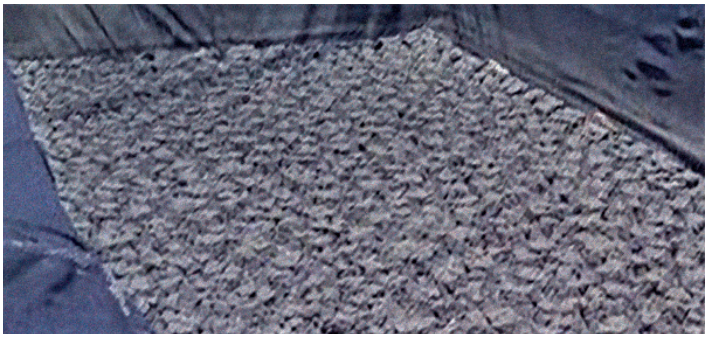
PO BOX 222 | STURBRIDGE, MA 01566 | **TEL:** 774-245-6623 | **FAX:** 508-347-3897 | **RECONOUTFITTERS.COM**

DEWATERING FILTER LINERS



FEATURES

- Provides on-site waste minimization
- Avoids additional weight and cost of solidification agents
- Reduces waste stream weight, resulting in lower costs at landfill
- Contains solidified waste after use for easy disposal
- Reduces or eliminates washout costs
- Easy to store and install

OPTIONS

- Geotextile cloth options
- Screen mesh and knit mesh options
- Various material options for desired micron ratings
- Stock and custom sizes available

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DEWATERING FILTER LINERS

3.5 OZ. NWPP GEOTEXTILE

PROPERTY	TEST METHOD	ENGLISH	METRIC
ORIGIN OF MATERIAL			
% U.S. Manufactured Inputs		100%	100%
% U.S. Manufactured		100%	100%
MECHANICAL			
Tensile Strength (Grab)	ASTM D 4632	80 lb	356 N
Elongation	ASTM D 4632	50%	50%
CBR Puncture	ASTM D 6241	210 lb	934 N
Trapezoidal Tear	ASTM D 4533	30 lb	133 N
ENDURANCE			
UV Resistance % Retained at 500 hrs	ASTM D 4355	70%	70%
HYDRAULIC			
Apparent Opening Size (AOS)[3]	ASTM D 4751	50 US St. Sieve	0.300 mm
Permittivity	ASTM D 4491	2.0 sec^{-1}	2.0 sec^{-1}
Water Flow Rate	ASTM D 4491	155 gpm/ft^2	6315 l/min/m^2
Roll Sizes		12.5′ x 360′ 15′ X 360′	3.81m x 109.8m 4.57m x 109.8m

6 OZ. NWPP GEOTEXTILE

PROPERTY	TEST METHOD	ENGLISH	METRIC
ORIGIN OF MATERIAL			
% U.S. Manufactured Inputs		100%	100%
% U.S. Manufactured		100%	100%
MECHANICAL			
Tensile Strength (Grab)	ASTM D 4632	160 lb	712 N
Elongation	ASTM D 4632	50%	50%
CBR Puncture	ASTM D 6241	410 lb	1824 N
Trapezoidal Tear	ASTM D 4533	60 lb	267 N
ENDURANCE			
UV Resistance % Retained at 500 hrs	ASTM D 4355	70%	70%
HYDRAULIC			
Apparent Opening Size (AOS)[3]	ASTM D 4751	70 US St. Sieve	0.212 mm
Permittivity	ASTM D 4491	1.3 sec^{-1}	1.3 sec^{-1}
Water Flow Rate	ASTM D 4491	110 gpm/ft^2	4482 l/min/m^2
Roll Sizes		12.5′ x 360′ 15′ X 300′	3.81m x 109.8m 4.57m x 91.5m

8 OZ. NWPP GEOTEXTILE

PROPERTY	TEST METHOD	ENGLISH	METRIC
ORIGIN OF MATERIAL			
% U.S. Manufactured Inputs		100%	100%
% U.S. Manufactured		100%	100%
MECHANICAL			
Tensile Strength (Grab)	ASTM D 4632	205 lb	912 N
Elongation	ASTM D 4632	50%	50%
CBR Puncture	ASTM D 6241	525 lb	2336 N
Trapezoidal Tear	ASTM D 4533	80 lb	356 N
ENDURANCE			
UV Resistance % Retained at 500 hrs	ASTM D 4355	70%	70%
HYDRAULIC			
Apparent Opening Size (AOS)[3]	ASTM D 4751	80 US St. Sieve	0.300 mm
Permittivity	ASTM D 4491	1.5 sec^{-1}	2.0 sec^{-1}
Water Flow Rate	ASTM D 4491	110 gpm/ft^2	6315 l/min/m^2
Roll Sizes		12.5′ x 360′ 15′ X 300′	3.81m x 109.8m 4.57m x 91.5m

NOTES:
1. The property values listed above are effective 04/2011 and are subject to change without notice.
2. Values shown are in weaker principal direction. Minimum average roll values (MARV) are calculated as the typical minus two standard deviations. Statistically, it yields a 97.7% degree of confidence that any samples taken from quality assurance testing will exceed the value reported.
3. Maximum average roll value.

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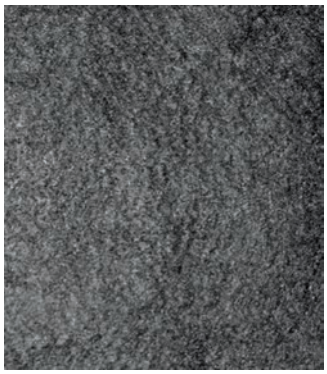
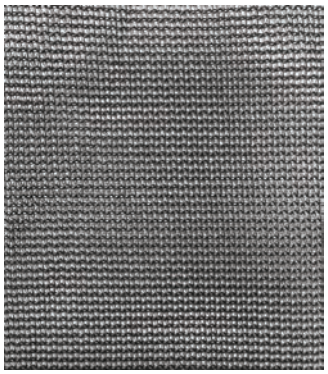
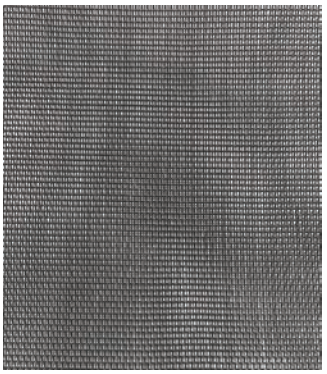
FILTER MEDIA SAMPLES



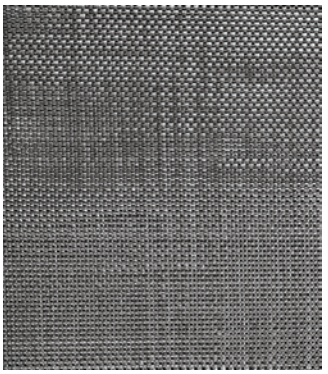
3, 4 And 6 Oz. Non-Woven Polypropylene Geotextile



70% Knit Mesh



250 Screen Filter



200 Screen Filter

Other filtration options are available.

SCREEN MESH

MECHANICAL PROPERTY	TEST METHOD	MINIMUM AVERAGE ROLL VALUE	
		MD	CD
Grab Tensile Strength	ASTM D 4632	410 lb	240 lb
Trapezoid Tear Strength	ASTM D 4533	130 lb	90 lb
Mullen Burst Strength	ASTM D 3786	510 psi	
Puncture Strength	ASTM D 3787	100 lb	
Air Flow	ASTM D 737	>600 cfm	
Water Flow		145 gal/min/sf²	

PHYSICAL PROPERTIES

MECHANICAL PROPERTY	TEST METHOD	TYPICAL VALUE
Weight	ASTM D 5261	5.6 oz./yd²
Fiber Content	-	100% PP

KNIT MESH

MECHANICAL PROPERTY	TEST METHOD	MINIMUM AVERAGE ROLL VALUE	
		MD	CD
Grab Tensile Strength	ASTM D 4632	410 lb	240 lb
Trapezoid Tear Strength	ASTM D 4533	130 lb	90 lb
Mullen Burst Strength	ASTM D 3786	510 psi	
Puncture Strength	ASTM D 3787	100 lb	
Air Flow	ASTM D 737	>600 cfm	
Water Flow		145 gal/min/sf²	

Physical Properties

MECHANICAL PROPERTY	TEST METHOD	TYPICAL VALUE
Weight	ASTM D 5261	5.6 oz./yd²
Fiber Content	-	100% PP

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FILTER MEDIA MICRON RATING

MATERIAL	MESH/SIEVE SIZE	MICRONS	MILLIMETERS	INCHES	"INDUSTRY TERM"
	4	4760	4.760	0.1874	
	5	4000	4.000	0.1575	
	6	3360	3.360	0.1323	
	7	2830	2.830	0.1114	
	8	2380	2.380	0.0937	
	10	2000	2.000	0.0787	
	12	1680	1.680	0.0661	
	14	1410	1.410	0.0555	
	16	1190	1.190	0.0469	
	18	1000	1.000	0.0394	
Knit Mesh	20	840	0.840	0.0331	400+ Microns
	25	710	0.710	0.0280	
	30	590	0.590	0.0232	
	35	500	0.500	0.0197	250 Microns
Screen Mesh	40	420	0.420	0.0165	
	45	350	0.350	0.0138	
	50	297	0.297	0.0117	
	60	250	0.250	0.0098	
3.5 oz.	70	210	0.210	0.0083	100–130 Microns
6 oz.	80	177	0.177	0.0070	80–100 Microns
12 oz.	100	149	0.149	0.0059	60–80 Microns
	120	125	0.125	0.0049	
	140	105	0.105	0.0041	
	170	88	0.088	0.0035	
	200	74	0.074	0.0029	
	230	62	0.062	0.0024	
	270	53	0.053	0.0021	
	325	44	0.044	0.0017	
	400	37	0.037	0.0015	
	500	31	0.031	0.0012	