



Northwest Linings & Geotextile Products, Inc.  
*"Helping to Protect the Environment"*  
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## PermeaTex Woven Monofilament Geotextiles

The PermeaTex 5000 Series consists of polypropylene, woven monofilament geotextile products that are recommended for hard armor underlayment, subsurface drainage, and leachate collection applications. Specific areas of use include shoreline revetment systems, waste containment areas, and severe erosion control requirements. These geotextile products are resistant to ultraviolet degradation and to biological and chemical environments found in normal soil areas.

MATERIAL PROPERTIES	TEST METHOD	ENGLISH UNIT	PermeaTex Products		
			5104	5111	5117
<b>Minimum Average Roll Values</b>					
<b><u>Physical</u></b>					
Weight	ASTM D5261	oz. / s.y.	6.1	5.7	6.1
Thickness	ASTM D5199	mils	13	26	24
<b><u>Mechanical</u></b>					
Grab Tensile	ASTM D4632	lbs	395/260	370/220	255/275
Grab Elongation	ASTM D4632	%	24/24	25/15	20/15
Puncture Strength	ASTM D4833	lbs	150	115	135
Trapezoidal Tear	ASTM D4533	lbs	95/55	115/75	40/50
Mullen Burst	ASTM D3786	psi	480	470	420
<b><u>Hydraulic</u></b>					
Apparent Opening Size	ASTM D4751	U.S. Sieve	70	30	20
Percent Open Area		%	4	11	17
Water Flow Rate	ASTM D4491	gpm / s.f.	18	110	200
Permittivity	ASTM D4491		0.28	1.10	1.50
Permeability	ASTM D4491	cm / sec	0.01	0.05	0.02
<b><u>Endurance</u></b>					
UV Resistance (500 hours)		% retained	90	90	90
<b>PACKAGING INFORMATION</b>					
Standard Roll Width (Lineal Feet)			12	12	12
Standard Roll Length (Lineal Feet)			300	300	300
Standard Roll Area (Square Yards)			400	400	400
Other Roll Widths Available			6	6	6

Note: Minimum average roll values are based on a 95% confidence level.

Note: At the time of manufacturing. Abrasion, wetness, handling, storage, and shipping may change these properties.

Note : PermeaTex Geotextile Products are manufactured by various manufacturers for distribution by Northwest Linings. PermeaTex is a trade name of Northwest Linings and any use of this name without the express written consent of Northwest Linings is strictly prohibited.

The information and data contained herein are believed to be accurate and reliable. Northwest Linings makes no warranty of any kind and accepts no responsibility for the results obtained through application of this information.