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 "Helping to Protect the Environment"
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PermeaTex Nonwoven Geotextiles

The PermeaTex 4000 Series consists of nonwoven, polypropylene, needlepunched geotextile products that are recommended for drainage, filtration, separation, and reinforcement applications. Specific areas of use are subdrainage under roadways and playing fields, foundations, railway construction, rock buttresses, and slope drains. 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										
			4030	4035	4040	4045	4050	4060	4070	4080	4100	4120	4160
Minimum Average Roll Values													
Physical													
Weight (Typical)	ASTM D5261	oz. / s.y.	3.1	3.5	4	4.5	5	6	7	8	10	12	16
Mechanical													
Grab Tensile	ASTM D4632	lbs	80	95	110	120	150	160	180	205	250	300	380
Grab Elongation	ASTM D4632	%	50	50	50	50	50	50	50	50	50	50	50
Puncture Strength	ASTM D4833	lbs	30	60	65	70	85	90	105	130	160	180	240
Trapezoidal Tear	ASTM D4533	lbs	25	40	50	50	60	65	75	85	100	115	145
Mullen Burst	ASTM D3786	psi	130	200	215	240	275	315	350	400	510	600	800
Hydraulic													
Apparent Opening Size	ASTM D4751	U.S. Sieve	50	70	70	70	70	80	80	80	100	100	100
Water Flow Rate	ASTM D4491	gpm / s.f.	150	150	140	120	115	110	100	90	80	75	50
Permittivity	ASTM D4491	sec -1	2.00	2.20	2.00	1.80	1.40	1.60	1.50	1.40	1.20	1.00	0.70
Permeability	ASTM D4491	cm / sec	0.22	0.25	0.22	0.22	0.23	0.24	0.34	0.38	0.30	0.29	0.27
Endurance													
UV Resistance (500 hours)		% retained	70	70	70	70	70	70	70	70	70	70	70
PACKAGING INFORMATION													
Standard Roll Width (Lineal Feet)			15	15	15	15	15	15	15	15	15	15	15
Standard Roll Length (Lineal Feet)			360	360	360	360	360	300	300	300	300	300	300
Standard Roll Area (Square Yards)			600	600	600	600	600	500	500	500	500	500	500
Other Roll Widths Available			12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5		15'x 150'

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.