

ProPex[®] Nonwoven Geotextiles

PROPERTIES ¹	TEST METHOD	UNITS	4535	4545	4546	4547	4550	4551	4552	4553	4506	4508	4510	4512	4516			
PHYSICAL																		
Unit Weight	ASTM D 5261	oz/yd ²	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	6	8	10	12	16			
Grab Tensile Strength	ASTM D 4632	lb	80	90	100	120	135	160	180	203	160	203	250	300	390			
Grab Tensile Elongation	ASTM D 4632	%	50	50	50	50	50	50	50	50	50	50	50	50	50			
Mullen Burst	ASTM D 3786	psi	150	185	210	230	270	310	330	380	310	380	520	600	750			
Puncture	ASTM D 4833	lb	45	55	65	70	80	90	105	120	90	120	155	190	240			
Trapezoid Tear	ASTM D 4533	lb	35	40	45	50	56	65	75	80	65	80	100	115	150			
UV Resistance ²	ASTM D 4355	% @_hr	70@500	70@500	70@500	70@500	70@500	70@500	70@500	70@500	70@500	70@500	70@500	70@500	70@500			
HYDRAULIC																		
Apparent Opening Size (AOS) ⁴	ASTM D 4751	US Sieve	70	70	70	70	70	70	70	100	70	100	100	100	100			
Permittivity	ASTM D 4491	sec ⁻¹	2.2	2.1	2.0	1.8	1.7	1.5	1.5	1.5	1.5	1.5	1.2	0.9	0.7			
Permeability	ASTM D 4491	cm/sec	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.30	0.30	0.20	0.20	0.20			
Flow Rate	ASTM D 4491	gal/min/ft ²	160	155	145	130	120	110	110	110	110	110	85	65	50			
PACKAGING																		
Roll Width		ft	15	15	15	15	15	15	15	15	15	15	15	15	15			
Roll Length		ft	360	360	360	360	360	300	300	300	900	600	180	600	180	450	180	300
Gross Weight ³		lb	160	180	195	210	225	225	260	290	680	590	230	700	275	630	370	560
Area		yd ²	600	600	600	600	600	500	500	500	1500	1000	300	1000	300	750	300	500
SUGGESTED APPLICATIONS																		
Separation			X	X	X	X	X	X	X	X	X	X	X	X	X			
Stabilization						X	X	X	X	X			X	X	X			
Erosion Control/Drainage			X	X	X	X	X	X	X	X			X	X	X			
Railroad Stabilization													X	X	X			
Environmental/Waste											X	X	X	X	X			
MINIMUM AVERAGE ROLL VALUES																		

N/A - Not Applicable

- Physical and hydraulic properties reported as minimum average roll values (MARV)
- Percent grab tensile strength retained per hours of UV exposure following conditioning in accordance with ASTM D 43.
- Gross weights are approximate
- AOS reported as maximum average value

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