

NONWOVEN PRODUCT LINE CARD¹

Property	Test Method	Value	Unit	311	351	401	451	501	601	651	701	801	861	1001	1071	1101	1201	1291	1601	1701
PHYSICAL																				
Mass/Unit Area	ASTM D-5261	MARV	oz/yd ² g/m ²	- -	- -	- -	- -	- -	- -	6.0 203	- -	- -	8.0 271	- -	10.0 339	- -	- -	12.0 407	- -	16.0 542
Thickness	ASTM D-5199	MARV	mils mm	- -	- -	- -	- -	- -	- -	80 2.0	- -	- -	90 2.3	- -	110 2.8	- -	- -	115 2.9	- -	165 4.2
MECHANICAL																				
Grab Tensile Strength	ASTM D-4632	MARV	lb N	80 356	90 400	120 534	100 445	135 601	160 712	170 756	180 801	205 912	230 1,023	250 1,112	270 1,201	270 1,201	305 1,357	320 1,423	380 1,690	425 1,890
Grab Elongation	ASTM D-4632	MARV	%	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
Puncture	ASTM D-4833	MARV	lb N	- -	- -	- -	- -	- -	- -	110 489	- -	- -	135 601	- -	160 712	- -	- -	210 934	- -	250 1,112
CBR Puncture	ASTM D-6241	MARV	lb N	210 934	260 1,157	310 1,379	300 1,334	385 1,713	410 1,824	435 1,935	475 2,113	525 2,335	600 2,669	700 3,114	725 3,225	725 3,225	850 3,781	925 4,115	1,080 4,804	1,200 5,338
Trapezoidal Tear	ASTM D-4533	MARV	lb N	30 133	40 178	50 222	50 222	60 267	60 267	70 311	75 334	80 356	95 423	100 445	105 467	100 445	115 512	125 556	145 645	155 689
HYDRAULIC																				
Apparent Opening Size	ASTM D-4751	MaxARV	US Sieve mm	50 0.300	60 0.250	70 0.212	70 0.212	70 0.212	70 0.212	70 0.212	70 0.212	80 0.180	80 0.180	100 0.150	100 0.150	100 0.150	100 0.15	100 0.15	100 0.15	100 0.15
Permittivity	ASTM D-4491	MARV	sec ⁻¹	2.2	2	1.7	2	1.7	1.5	1.5	1.4	1.5	1.5	1.2	1.2	1.2	1	0.8	0.7	0.7
Permeability	ASTM D-4491	MARV	cm/sec	-	-	-	-	-	-	0.38	-	-	0.38	-	0.30	-	-	0.29	-	0.27
Water Flow Rate	ASTM D-4491	MARV	gpm/ft ² l/min/m ²	150 6,112	150 6,112	140 5,704	140 5,704	115 4,686	110 4,482	110 4,482	105 4,278	110 4,482	110 4,482	80 3,260	85 3,463	85 3,463	75 3,056	60 2,445	50 2,037	50 2,037
ENDURANCE																				
UV Resistance at 500 hrs	ASTM D-4355	MARV	% Retained	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70

- Notes:
1. The property values listed above are effective 07/22/2020 and are subject to change without notice. Values represent testing at time of manufacture.
 2. Contact your local Territory Business Manager (TBM) for custom widths and colors. Lead times may vary depending on customer requirements and volume requested.
 3. Propex has the capability to manufacture geotextiles up to approximately 32 oz/yd²