



## Woven and Nonwoven Specifications

1327 Century Way  
 Wylie TX 75098  
 Ph: 972-575-8800  
 Fax: 972-575-8810

## Woven Specs

Property	Test Method	Units	200lb	315lb
<b>MECHANICAL PROPERTIES</b>				
Grab Tensile Strength	ASTM D4632	lbs (N)	200 (890)	315 (1402)
Grab Tensile Elongation	ASTM D4632	% MD / CD	15 / 10	12 / 12
Trapezoid Tear Strength	ASTM D4533	lbs (N)	75 (334)	113 (503)
CBR Puncture Strength	ASTM D6241	lbs (N)	700 (3115)	900 (4005)
UV Resistant after 500 hours	ASTM D4355	% Strength	70	70
<b>HYDRAULIC PROPERTIES</b>				
Apparent Opening Size	ASTM D4751	US Sieve (mm)	40 (0.43)	40 (0.43)
Permittivity	ASTM D4491	sec -1	0.05	0.05
Flow Rate	ASTM D4491	gal/min/ft2 (l/mm/m2)	5.0 -204	4.0 -163
<b>Packaging</b>				
Roll Width			12.5 (3.8) 17.5 (5.3)	12.5 (3.8) 17.5 (5.3)
Roll Length			432 (132) 309 (94.2)	360 (110) 258 (78.7)
Est. Gross Weight			210 (95)	240 (109)
Roll Area			600 (502)	500 (418)



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## Nonwoven Specs

Property / Test Method	Units	NW310	NW350	NW400	NW600	NW180
<b>MECHANICAL PROPERTIES</b>						
<b>Grab Tensile Strength</b> ASTM D 4632						
Strength @ Ultimate	N (lbs)	355/ 80 lbs	401/ 90lbs	445/100 lbs	711/160 lbs	912 (205)
Elongation @ Ultimate	%	50%	50%	50%	50%	50%
<b>Trapezoidal Tear Strength</b> ASTM D 4533						
	N (lbs)	111 25 lbs	178 40 lbs	200 45 lbs	267 60 lbs	356 80 lbs
<b>CBR Puncture Strength</b> ASTM D 6241						
	N (lbs)	778 175 lbs	1157 260 lbs	1334 300 lbs	1825 410 lbs	2336 525 lbs
<b>UV Resistance after 500 hrs.</b> ASTM D 4355						
	% strength	70%	70%	70%	70%	70%
<b>HYDRAULIC PROPERTIES</b>						
<b>Apparent Opening Size (AOS)</b> ASTM D 4751						
	US Sieve	50	50	70	70	80
	mm	0.30	0.30	0.212	0.212	0.18
<b>Permittivity</b> ASTM D 4491						
	sec <sup>-1</sup>	2.2	2.0	2.0	1.4	1.3
<b>Flow Rate</b> ASTM D 4491						
	l/min/m <sup>2</sup> (gal/min/ft <sup>2</sup> )	6,112 150	6112 150	5704 140	4276 105	3667 90