



# SHRI RAGHAVENDRA TEXTILES

An ISO 9001:2015 Certified Company



## Product Technical Data Sheet Polyester Nonwoven Geotextile

Properties	Standard	Unit	SRTPE 80	SRTPE 100	SRTPE 120	SRTPE 150	SRTPE 200	SRTPE 250	SRTPE 300
<b>MECHANICAL PROPERTIES</b>									
Tensile strength	ASTM D4595	kN / m	2	3	4	5	7	9	12
Elongation	ASTM D4595	%	50	50	50	50	50	50	50
Grab Tensile Strength	ASTM D4632	N	200	200	240	300	400	480	585
Grab Tensile Elongation	ASTM D4632	%	> 60	> 60	> 60	> 60	> 60	> 60	> 60
Trapezoidal Tear Strength	ASTM D4533	N	80	80	95	140	185	240	280
Puncture Strength (CBR)	ASTM D6241	N	500	500	650	850	1100	1300	1500
<b>PHYSICAL PROPERTIES</b>									
Mass/unit Area	ASTM D5261	gsm	80	100	120	150	200	250	300
Thickness	ASTM D5199	mm	0.85	0.9	0.9	1.1	1.4	1.7	2.0
<b>HYDRAULIC PROPERTIES</b>									
Flow Water Rate- 5cm head	ASTM D4491	l/m <sup>2</sup> /sec	110	100	90	70	60	50	40
AOS	ASTM D4751	microns	105	100	100	80	80	<75	<75
UV Resistance @ 500 hrs	ASTM D4355	% Strength Retained	80	80	80	80	80	80	80
<b>ROLL DIMENSIONS</b>									
Roll Width		Mtr	1.5-2.5	1.5-2.5	1.5-2.5	1.5-2.5	1.5-2.5	2 - 5	2 - 5
Roll length		Mtr	200	200	200	200	200	100	100

Note : The above values are on the basis of the test conducted in our testing lab as per the process laid by ASTM. These are MARV Values.  
Shri Raghavendra Textiles reserve the right to change/modify the above specs without having any technical/commercial liability for the change/modification.

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Properties	Standard	Unit	SRTPE 400	SRTPE 500	SRTPE 600	SRTPE 800	SRTPE 1000
<b>MECHANICAL PROPERTIES</b>							
Tensile strength	ASTM D4595	kN / m	14	16	18	24	29
Elongation	ASTM D4595	%	50	50	50	50	50
Grab Tensile Strength	ASTM D4632	N	810	1000	1120	1380	1700
Grab Tensile Elongation	ASTM D4632	%	> 60	> 60	> 60	> 60	> 60
Trapezoidal Tear Strength	ASTM D4533	N	375	485	560	750	910
Puncture Strength (CBR)	ASTM D6241	N	2150	2370	2650	3550	4000
<b>PHYSICAL PROPERTIES</b>							
Mass/unit Area	ASTM D5261	Gsm	400	500	600	800	1000
Thickness	ASTM D5199	Mm	2.5	3.0	3.5	4.5	5.6
<b>HYDRAULIC PROPERTIES</b>							
Flow Water Rate- 5cm head	ASTM D4491	l/m <sup>2</sup> /sec	30	30	30	20	20
AOS	ASTM D4751	Microns	<75	<75	<75	<75	<75
UV Resistance @ 500 hrs	ASTM D4355	% Strength Retained	80	80	82	82	82
<b>ROLL DIMENSIONS</b>							
Roll Width		Mtr	2 - 5	2 - 5	2 - 5	2 - 5	2 - 5
Roll length	-	Mtr	50	50	50	50	50

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