

New World



Textile Testing Laboratory

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Product: 4-way Stretch Nylon Spandex - Soft Shell

Page 1 of 3

	ROLL #1	ROLL #2	ROLL #3
Width	53 5/8	52 5/8	53 1/8
	54 3/4	53 11/16	54 7/16
Weight, oz/sq yd ASTM D 3776, Opt. C	6.9	7.1	6.7
	6.7	7.1	6.6
	6.9	7.0	6.7
	6.8	7.0	6.7
	<u>6.8</u>	<u>7.0</u>	<u>6.7</u>
5 Readings w/Average	6.8	7.0	6.7
Breaking Strength, lbs. ASTM D 5034	WARP	WARP	WARP
	270	287	265
	280	287	283
	270	276	252
	278	250	270
	<u>265</u>	<u>276</u>	<u>258</u>
5 Readings w/Avg.	273	275	266
8 Readings w/Avg.	FILL	FILL	FILL
	136	130	120
	130	122	120
	136	130	123
	135	135	120
	140	120	120
	140	132	120
	136	131	121
	<u>134</u>	<u>120</u>	<u>115</u>
8 Readings w/Avg.	136	128	120

	ROLL #1	ROLL #2	ROLL #3
Tearing Strength, lbs.	WARP	WARP	WARP
ASTM D 1424	14.10+	14.10+	14.10+
Elmendorf	14.10+	14.10+	14.10+
	14.10+	14.10+	14.10+
	14.10+	14.10+	14.10+
	<u>14.10+</u>	<u>14.10+</u>	<u>14.10+</u>
5 Readings w/Avg.	14.10+	14.10+	14.10+
	FILL	FILL	FILL
	9.7	9.9	9.6
	10.2	10.4	8.5
	10.3	9.9	8.5
	10.2	9.9	7.9
	<u>10.4</u>	<u>9.6</u>	<u>8.2</u>
5 Readings w/Avg.	10.2	9.9	8.5
CF. - Laundering: All Shades	Shd Chg.	Shd Chg.	Shd Chg.
AATCC No. 61, 2A (1 cycles)	4.5	4.5	4.5
	Staining	Staining	Staining
	4.5	4.5	4.5
Moisture Vapor Transmission	Inverted		
ASTM E96, Test BW	7,374		
g/m ² /2 hour, initial	7,804		
	7,545		
	7,286		
	<u>7,561</u>		
5 Readings w/Avg.	7,514		
Moisture Vapor Transmission	Upright		
ASTM E96, Test B	1,036		
g/m ² /24 hour, initial	970		
	1,085		
	1,073		
	<u>1,051</u>		
5 Readings w/Avg.	1,043		

ROLL #1 ROLL #2 ROLL #3

Nano

100 Launderings

AATCC-118

AATCC 135 (3) (III) (A) iii

	Oil	Oil	Oil
Initial	5.0	5.0	5.0
10	5.0	5.0	5.0
20	5.0	5.0	5.0
30	5.0	5.0	5.0
40	5.0	5.0	5.0
50	5.0	5.0	5.0
60	5.0	5.0	5.0
70	4.0	5.0	4.0
80	4.0	5.0	3.0
90	2.0	5.0	2.0
100	2.0	3.0	2.0

Nano

AATCC-22

100 Launderings

AATCC 135 (3) (III) (A) iii

	Spray	Spray	Spray
Initial	100	100	100
10	100	100	100
20	100	100	100
30	100	100	100
40	100	100	100
50	100	100	100
60	100	100	100
70	100	100	100
80	100	100	100
90	80	90	90
100	80	80	80