

# New World

## Textile Testing Laboratory

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Product: 4-way Stretch Nylon Spandex - Soft Shell

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	ROLL #1	ROLL #2	ROLL #3
<b>Width</b>	53 5/8	52 5/8	53 1/8
	54 3/4	53 11/16	54 7/16
<b>Weight, oz/sq yd</b>	6.9	7.1	6.7
ASTM D 3776, Opt. C	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	<b>6.8</b>	<b>7.0</b>	<b>6.7</b>
<b>Breaking Strength, lbs.</b>	<b>WARP</b>	<b>WARP</b>	<b>WARP</b>
ASTM D 5034	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.	<b>273</b>	<b>275</b>	<b>266</b>
	<b>FILL</b>	<b>FILL</b>	<b>FILL</b>
	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.	<b>136</b>	<b>128</b>	<b>120</b>

	ROLL #1	ROLL #2	ROLL #3
<b>Tearing Strength, lbs.</b>	<b>WARP</b>	<b>WARP</b>	<b>WARP</b>
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.	<b>14.10+</b>	<b>14.10+</b>	<b>14.10+</b>
	<b>FILL</b>	<b>FILL</b>	<b>FILL</b>
	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.	<b>10.2</b>	<b>9.9</b>	<b>8.5</b>

<b>CF. - Laundering: All Shades</b>	<b>Shd Chg.</b>	<b>Shd Chg.</b>	<b>Shd Chg.</b>
AATCC No. 61, 2A (1 cycles)	4.5	4.5	4.5
	<b>Staining</b>	<b>Staining</b>	<b>Staining</b>
	4.5	4.5	4.5

**Nano**

100 Launderings			
AATCC-118			
AATCC 135 (3) (III) (A) iii	<b>Oil</b>	<b>Oil</b>	<b>Oil</b>
<b>Initial</b>	5.0	5.0	5.0
<b>10</b>	5.0	5.0	5.0
<b>20</b>	5.0	5.0	5.0
<b>30</b>	5.0	5.0	5.0
<b>40</b>	5.0	5.0	5.0
<b>50</b>	5.0	5.0	5.0
<b>60</b>	5.0	5.0	5.0
<b>70</b>	4.0	5.0	4.0
<b>80</b>	4.0	5.0	3.0
<b>90</b>	2.0	5.0	2.0
<b>100</b>	2.0	3.0	2.0

**Nano**

AATCC-22			
100 Launderings			
AATCC 135 (3) (III) (A) iii	<b>Spray</b>	<b>Spray</b>	<b>Spray</b>
<b>Initial</b>	100	100	100
<b>10</b>	100	100	100
<b>20</b>	100	100	100
<b>30</b>	100	100	100
<b>40</b>	100	100	100
<b>50</b>	100	100	100
<b>60</b>	100	100	100
<b>70</b>	100	100	100
<b>80</b>	100	100	100
<b>90</b>	80	90	90
<b>100</b>	80	80	80