

# New World

## Textile Testing Laboratory

206 Globe Mills Avenue, Fall River, MA 02724

Tel: (508) 689-1653 Fax: (508) 689-1792

Email: [LLeite@Nworld.US](mailto:LLeite@Nworld.US)

Product: 40 Denier - Multicam Soft Shell 2-Way Stretch with Nanosphere and Wickable Antimicrobial Backing

Page 1 of 4

Test: Fed. Std. 191A  
Unless Noted Otherwise

Roll #1  
113307

**Width, inches**

54 1/2

**Weight, oz./sq.yd.**  
ASTM D 3776

5.2

5.3

5.3

5.2

5.1

5 Readings w/average

**5.2**

**Yarns per inch**  
ASTM D 3775

**Warp**

196

193

197

194

196

5 Readings w/average

**195**

**Fill**

125

127

127

125

127

5 Readings w/average

**126**

**Breaking Strength, lbs.**  
ASTM D 5034

**Warp**

150

145

142

147

145

5 Readings w/average

**146**

**Fill**

93

91

91

92

90

5 Readings w/average

**91**

Test: Fed. Std. 191A  
Unless Noted Otherwise

Roll #1  
113307

**Tearing Strength, lbs.**  
ASTM D 1424 (Elmendorf)

**Warp**

7.3

7.1

7.2

7.1

7.1

5 Readings w/average

**7.1**

**Fill**

3.5

3.5

3.1

3.5

3.4

5 Readings w/average

**3.4**

**Air Permeability, ft<sup>3</sup>/ft<sup>2</sup>/min.**  
ASTM D 737

0.0

0.0

0.0

0.0

0.0

5 Readings w/average

**0.0**

**Moisture Vapor Transmission**

**Initial**

**Initial**

**Upright**

ASTM E96, Test B

1,059

g/m<sup>2</sup>/24 hour

1,071

1,019

968

1,007

5 Readings w/average

**1,025**

**Moisture Vapor Transmission**

**Initial**

**Initial**

**Inverted**

ASTM E96, Test BW

4,058

g/m<sup>2</sup>/2 hour

3,716

3,045

3,536

2,954

5 Readings w/average

**3,462**

<b>Moisture Vapor Transmission</b>	<b>After</b>
<b>After 10 Home Launderings</b>	<b>Upright</b>
ASTM E96, Test B	1,149
Table 1, Method 3, III, iii	1,131
g/m <sup>2</sup> /24 hour	1,162
	1,107
	<u>1,142</u>
5 Readings w/average	<b>1,138</b>

<b>Moisture Vapor Transmission</b>	<b>After</b>
<b>After 10 Home Launderings</b>	<b>Inverted</b>
ASTM E96, Test BW	4,348
Table 1, Method 3, III, iii	3,331
g/m <sup>2</sup> /2 hour	5,019
	7,320
	<u>4,310</u>
5 Readings w/average	<b>4,866</b>

<b>Dimensional Stability, %</b>	<b>Warp</b>
AATCC 135 (3) (III) (A) iii (3 cycles)	1.8
	1.7
	<u>1.7</u>
3 Readings w/average	<b>1.7</b>

	<b>Fil</b>
	4.7
	5.0
	<u>5.0</u>
3 Readings w/average	<b>4.9</b>

<b>Nano</b>	
<b>Resistance to Organic Liquids</b>	
AATCC-118/AATCC 135 (3) (III) (A) iii	<b>Oil</b>
<b>Initial</b>	5
<b>100L</b>	5

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

Test: Fed. Std. 191A  
Unless Noted Otherwise

Roll #1  
113307

**Vertical Wicking, Initial**

<u>Minute Intervals</u>	<b>Inches</b>
1	1 3/16
3	3 1/2
5	3 7/8
10	4 13/16
15	5 1/4
20	5 1/2
25	5 7/8
30	6
35	6
40	6
45	6
50	6
55	6
60	6

**Vertical Wicking,****After 10 Launderings**

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

<u>Minute Intervals</u>	<b>Inches</b>
1	2
3	3 5/8
5	5 1/8
10	5 13/16
15	6
20	6
25	6
30	6
35	6
40	6
45	6
50	6
55	6
60	6