



3202 34th Street, Valley, AL 36854

Telephone: 334-768-1262 or 1-800-554-7424 Fax: 334-768-1255

Textest Report: 1173187  
Date: 10/11/06  
Page: 1 of 5  
Purchase Order: KC0603

CLIENT:



Reflective Apparel Factory  
1649 Sands Place SE Suite J  
Marietta, Georgia 30067


Material Description: 100% Polyester Birdeye Knitted Fabric with Wicking, 140 ±5 gsm	
Fabric <input checked="" type="checkbox"/>	Non-Fabric <input type="checkbox"/> (check one)
Lot #:	
Manufacturer:	
Color: Hi-Vis Yellow	

COMMENT:

We certify that the sample identified above was tested in accordance with the specification and complies with the requirements for background materials of ANSI/ISEA 107-2004

Material: 100% Polyester birdseye knit with wicking finish for item: VEA102, VEA200, VEA202, VEA300, VEA302

Certification Authorized By:  
Alan Lightholder  
Director


Material Description:	100% Polyester Birdeye Knitted Fabric with Wicking, 140 ±5 gsm	Test Lab:	 Report #1173187
Fabric <input checked="" type="checkbox"/> X <input type="checkbox"/>	Non-Fabric <input type="checkbox"/> (check one)	Address:	3202 34th Street Valley, AL 36854
Lot #:		Contact Person:	Alan Lightholder
Manufacturer:		Date Tested:	10/11/06
Color:	Hi-Vis Yellow		

REQUIRED TESTS				
Test/Method	Section	ANSI/ISEA 107 Requirement	Test Result	Pass/ Fail/ NA
Determination of Color ASTM E1164-02 (Single layer)	7.1.1 9.2	Test specimen must fulfill the colorimetric requirements of Table 2 for background material	As submitted: x = y = %Y =  After 40x Xenon x = y = %Y =	NA NA NA  NA NA NA
Determination of Color ASTM E1164-94 (Two layers of the same material)	7.1.1 9.2	Test specimen must fulfill the colorimetric requirements of Table 2 for background material	As submitted: x = 0.375 y = 0.530 %Y = 110.8  After 40x Xenon x = 0.369 y = 0.510 %Y = 105.0	Pass Pass Pass  Pass Pass Pass
Colorfastness Croaking AATCC 8-2001	7.2.1	Wet 3.0 Dry 3.0	4.5 4.5	Pass Pass
Colorfastness Perspiration AATCC 15-2002	7.2.2	Color Change 4.0 Staining 3.0	5.0 Acetate: 5.0 Cotton: 5.0 Nylon: 5.0 Polyester: 5.0 Acrylic: 5.0 Wool: 5.0	Pass Pass Pass Pass Pass Pass Pass
Dimensional change Domestic AATCC 135-2000 (3) IIIA(iii) @ 105°F	7.3.1	Woven L +/- 4%      W +/- 2%	1st Cycle Length = Width =  5th Cycle Length = Width =	NA NA  NA NA
		Knit L +/- 7%      W +/- 5%	1st Cycle Length = Width =  5th Cycle Length = - 4.5 Width = - 1.2	NA NA  Pass Pass

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REQUIRED TESTS (cont)				
Test/Method	Section	ANSI/ISEA 107 Requirement	Test Result	Pass/ Fail/ NA
Bursting Strength (Knitted) ASTM D 3787-01	7.4.1	267 N (60 lb) (27.2 kg)	163 lb.	Pass
Tear Resistance (Woven) ASTM D 1424-96	7.4.2	13 N (3 lb) (1.3 kg) Average force machine Average force cross-machine		NA NA
Breathability ASTM E96-00 Procedure B ASTM E96-00 Procedure BW	7.6	600g/m <sup>2</sup> /24 hr microporous 3600g/m <sup>2</sup> /24 hr hydrophilic		NA NA

TESTED AS CARE LABEL DICTATES				
Test/Method	Section	ANSI/ISEA 107 Requirement	Test Result	Pass/ Fail/ NA
Colorfastness Domestic Laundry AATCC 61-2001-2A 120° F	7.2.3 Table 4	Color change 4.5 Staining 3.0	Acetate: Cotton: Nylon: Polyester: Acrylic: Wool:	NA NA NA NA NA NA
Colorfastness Commercial Laundry AATCC 61-2001-3A 160° F	7.2.3 Table 4	Color change 4.5 Staining 3.0	Acetate: Cotton: Nylon: Polyester: Acrylic: Wool:	NA NA NA NA NA NA
Colorfastness Domestic Laundry AATCC 61-2001-2A 105° F	7.2.3 Table 4	Color change 4.5 Staining 3.0	4.5 Acetate: 4.0 Cotton: 4.5 Nylon: 4.0 Polyester: 4.5 Acrylic: 4.5 Wool: 4.5	Pass Pass Pass Pass Pass Pass Pass

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Fabric ___X___ Lot #:	Non-Fabric _____ (check one)	Address:	3202 34th Street Valley, AL 36854
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Color:	Hi-Vis Yellow	Date Tested:	10/11/06

TESTED AS CARE LABEL DICTATES (cont)				
Test/Method	Section	ANSI/ISEA 107 Requirement	Test Result	Pass/ Fail/ NA
Colorfastness Water AATCC 107-2002	7.2.3 Table 4	Color change 3.0 Staining 3.0	5.0 Acetate: 5.0 Cotton: 5.0 Nylon: 5.0 Polyester: 5.0 Acrylic: 5.0 Wool: 5.0	Pass Pass Pass Pass Pass Pass Pass
Colorfastness Hypochlorite Bleaching AATCC 61-2001-4A	7.2.3 Table 4	Fading 4.0		NA
Colorfastness Hypochlorite Bleaching AATCC 61-2001-5A	7.2.3 Table 4	Fading 4.0	4.5	Pass
Colorfastness Hot-pressing AATCC 133-1999	7.2.3 Table 4	Color change 4.5 Staining 3.0	5.0 5.0	Pass Pass
Colorfastness Dry cleaning AATCC 132-2001	7.2.3 Table 4	Color change 4.0		NA
Dimensional change Commercial AATCC 96-1999 IIIc-A and/or E@145° F	7.3.1	Woven L +/- 4%      W +/- 2%	1st Cycle Length = Width =	NA NA
		Knit L +/- 7%      W +/- 5%	5th Cycle Length = Width =	NA NA
Water Resistance AATCC 35-2000	7.5	1 gram of water penetration Level 1		NA
Water Resistance AATCC 127-1998	7.5	200 cm Min. new 200 cm Min. after 5 washings		NA NA
Water Repellence AATCC 22-2001	7.5.1	90 new 70 after 5 washings		NA NA

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CIE 1931 (x,y) Chromaticity Diagram

