



300 Gen Colin Powell Pkwy, Phenix City, AL 36869

Telephone: 1-800-554-7424 Fax: 334-664-3212

TextesT Report: 1173189  
Date: 05/04/10  
Page: 1 of 5  
Purchase Order: KC0603

## Certificate of Test

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 _____ (check one)
Lot #:
Manufacturer:
Color: Safety Orange


COMMENT:


The ANSI/ISEA 107-2004 test data was reviewed and found to conform to the requirements of ANSI/ISEA 107-2010. Reference Textest report 1173189 dated 10/11/2006.

TEXTTEST

Signed by

Material Description: Birdeye Knitted Fabric with Wicking, 140 ±5 gsm 100% Polyester		Test Lab:  Report # 1173189		
Fabric <input checked="" type="checkbox"/> X <input type="checkbox"/> Non-Fabric <input type="checkbox"/> (check one)		Address: P.O. Box 1108 Phenix City, AL 36869		
Lot #:		Contact Person: Alan Lightholder		
Manufacturer:		Date Tested: 5/4/2010		
Color: Safety Orange				
TEST FOR ALL MATERIALS				
Test/Method	Section	ANSI/ISEA 107 Requirement	Test Result	Pass/ Fail/ NA
Determination of Color ASTM E1164-09 (Single layer)	7.1.1 7.2.4 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 E1164-09 (Two layers of the same material)	7.1.1 7.2.4 9.2	Test specimen must fulfill the colorimetric requirements of Table 2 for background material	As submitted: x = 0.594 y = 0.364 %Y = 48.5 After 40x Xenon x = 0.565 y = 0.363 %Y = 51.0	Pass Pass Pass Pass Pass Pass
Colorfastness Crocking AATCC 8-2007	7.2.1	Dry 3.0 Wet 3.0	4.0 4.0	Pass Pass
Colorfastness Perspiration AATCC 15-2007	7.2.2	Color Change 4.0 Staining 3.0	5.0 Acetate: 4.5 Cotton: 4.5 Nylon: 4.0 Polyester: 5.0 Acrylic: 5.0 Wool: 4.5	Pass Pass Pass Pass Pass Pass
Bursting Strength (Knitted) ASTM D 3787-07	7.4.1	267 N (27.2 kgf) (60 lbf)	150 lb.	Pass
Tear Resistance (Woven) ASTM D 1424-09	7.4.2	13 N (1326 gf) (2.92 lbf) Average force machine Average force cross-machine		NA NA

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<b>TESTED AS CARE LABEL DICTATES</b>				
Test/Method	Section	ANSI/ISEA 107 Requirement	Test Result	Pass/ Fail/ NA
Colorfastness Domestic/Commercial Laundry AATCC 61-2007-3A 160° F	7.2.3 Table 3	Color change 4.5 Staining 3.0	Acetate: Cotton: Nylon: Polyester: Acrylic: Wool:	NA NA NA NA NA NA
Colorfastness Domestic/Commercial Laundry AATCC 61-2007-2A 105° F (modified)	7.2.3 Table 3	Color change 4.5 Staining 3.0	Acetate: 4.5 Cotton: 3.0 Nylon: 4.5 Polyester: 3.0 Acrylic: 4.0 Wool: 4.5	Pass Pass Pass Pass Pass Pass
Colorfastness Water AATCC 107-2007	7.2.3 Table 3	Color change 3.0 Staining 3.0	Acetate: 5.0 Cotton: 4.5 Nylon: 4.5 Polyester: 5.0 Acrylic: 5.0 Wool: 4.5	Pass Pass Pass Pass Pass Pass
Colorfastness Hypochlorite Bleaching (commercial) AATCC 61-2007-4A	7.2.3 Table 3	Fading 4.0		NA
Colorfastness Hypochlorite Bleaching (domestic) AATCC 61-2007-5A	7.2.3 Table 3	Fading 4.0	4.5	Pass
Colorfastness Hot-pressing AATCC 133-2004	7.2.3 Table 3	Color change 4.5 Staining 3.0	5.0 5.0	Pass Pass
Colorfastness Dry cleaning AATCC 132-2004	7.2.3 Table 3	Color change 4.0		NA

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## TESTED AS CARE LABEL DICTATES (cont)

Test/Method	Section	ANSI/ISEA 107 Requirement	Test Result	Pass/ Fail/ NA
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 = - 4.1 Width = - 0.8	NA NA  Pass Pass
Dimensional change Commercial AATCC 96-2004 IIIc-A and/or E @ 145°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 = Width =	NA NA  NA NA
Dimensional change Dry Cleaning AATCC 158-2005	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 = Width =	NA NA  NA NA

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TESTED AS CARE LABEL DICTATES (cont)				
Test/Method	Section	ANSI/ISEA 107 Requirement	Test Result	Pass/ Fail/ NA
Water Repellency AATCC 22-2005	7.5.1	90 new 70 after 5 washings		NA NA
Water Resistance AATCC 35-2006	7.5.2	≤ 1 gram of water penetration Initial After 5 washings		NA NA
Waterproof AATCC 127-2008	7.5.3	200 cm new and after 5 washings Initial After 5 washings		NA NA
Breathability ASTM E96-05 Procedure B or BW	7.6	B - 600 g/m <sup>2</sup> /24 hr microporous BW - 3600 g/m <sup>2</sup> /24 hr hydrophilic		NA NA

