



3202 34th Street, Valley, AL 36854

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

TexTesT Report: 1175685
Date: 11/30/06
Page: 1 of 5
Purchase Order: KC0604

CLIENT:



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

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|--|
| Material Description: 100% Polyester Pongee |
| Fabric <input checked="" type="checkbox"/> Non-Fabric <input type="checkbox"/> (check one) |
| Lot #: |
| Manufacturer: |
| Color: Hi-Vis Orange |

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% Spun polyester with WR finish.
for items: VEA401, VEA421

Certification Authorized By:
Alan Lightholder
Director


TEXTTEST

Signed by


| | | | |
|--|-------------------------------------|--------------|--|
| Material Description: | 100% Polyester Pongee | Test Lab(s): |  Report #1175685 |
| Fabric <input checked="" type="checkbox"/> X _____ | Non-Fabric _____ | (check one) | Address: 3202 34th Street Valley, AL 36854 |
| Lot #: | | | |
| Manufacturer: | Contact Person: Alan Lightholder | | |
| Color: | Hi-Vis Orange | Date Tested: | 11/30/06 |

| 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 = 0.605 y = 0.355 % Y = 47.4 After 40x Xenon x = 0.578 y = 0.358 % Y = 51.6 | 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 = - 0.90 Width = - 0.03 | NA NA Pass Pass |
| | | Knit L +/- 7% W +/- 5% | 1st Cycle Length = Width = 5th Cycle Length = Width = | NA NA NA NA |

Source: ANSI/ISEA 107-2004 American National Standard for High-Visibility Safety Apparel and Headwear, Appendix D1.

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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) | | NA |
| Tear Resistance (Woven) ASTM D 1424-96 | 7.4.2 | 13 N (3 lb) (1.3 kg) Average force machine Average force cross-machine | 3.2 lb. 4.2 lb. | Pass Pass |
| Breathability ASTM E96-00 Procedure B ASTM E96-00 Procedure BW | 7.6 | 600g/m ² /24 hr microporous 3600g/m ² /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: 3.5 Polyester: 4.5 Acrylic: 4.5 Wool: 4.0 | Pass Pass Pass Pass Pass Pass |

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| Manufacturer: | | Date Tested: | 11/30/06 |
| Color: | Hi-Vis Orange | | |

| 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 | 4.5 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 = 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 |
| 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

