

Heat Transfer Wash Test Report

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| Requested By 申请人: Cherry Jiang-T3 | Report No 报告编号: PY25333645 |
| Create Date 创建日期: 2025-08-21 16:25:24 | Requested Date 申请日期: 2025-08-21 16:25:24 |

Information 测试相关信息:

Master Customer 客户: New Balance

Team 需求部门: CS

Contact Person 联系人: murphy.wu@ap.averydennison.com

Vendor 供应商/工厂: THONG THAI

Item Number 项目编号: NB26-MLHORIZONTAL-BBALL / WHITE

Item Quality 产品分类: AG

Fabric Composition 测试布成份: 78% Recycled Polyester, 22% Lycra

Fabric Ref 布号: RV2211062-2 /

Fabric Color 测试布颜色: CALCIUM-COLORO-035-88-12

Remark 备注: pls bond on Front side

Bonding Condition 烫压条件

Bonder 烫压机型: Insta #718

Bonded by 烫压地点: ADPY

Temp 烫压温度: 160 C

Applied Pressure 压力: 1.5 kg/cm2

Dwell time 烫压停滞时间: 10 sec

Peeling method 撕开方式: Cold Peel (16sec or more)

Remark 备注:

Washing Condition 洗水条件

Washing Temp 洗涤温度: 40 (Machine Wash Warm)

Washing Remark 备注: 5/10 cycles, for Appeal Non-football. (1. No need to dry between cycles, tumble dry after washing 5/10 cycles directly. 2.ISO 6330, 4N)

Test method 测试项目: 1.Washing test (ISO 6330,4N)+2.Colorfastness to dye transfer in storage(AATCC 163 Option 1

Modification,70 C, 48 Hrs) +3. stretch test (Hand stretch)+4. Colorfastness to crocking (ISO 105 X 12), no need indicate color staining by external cause “

Test result 测试结果:

| 测试项目 Test item | 结果通过 Pass | 结果失败 Fail | 不适用 NA | 评论 Comment |
|---|--------------|--------------|-----------|---------------------------|
| washing test | PASS | | | Bonding Mark;Carrier Mark |
| Colorfastness To Dye Transfer In Storage | PASS | | | |
| Stretch Test | PASS | | | |
| Colorfastness To Crocking | PASS | | | |

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测试项目 Test item: Washing Test

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|------------------------|---|-------------------------------------|--------|
| 测试条件 Test condition | For Apparel Non-football: Appearance after washing: $40 \pm 3^{\circ}$ C, 30 mins/cycle, Tumble Dry Low. | | |
| 要求 Requirement | Colour Change: 3.5, Colour Stain: 3.5; Appearance: Adherence and Surface Appearance; No noticeable peel off/damage, including wrinkles/cracking on the surface of embellishment | | |
| 洗涤次数 Cycle(s) | 样品颜色 Color change | 洗后外观 Appearance of washed sample | result |
| Sample control | NA | Bonding Mark; Carrier Mark | PASS |
| 5cycles | 4-5 | No appearance defect | PASS |
| 10cycles | 4-5 | No appearance defect | PASS |
| Others | 5' 10' : Color staining: 4-5 | | |
| 结论 (Conclusion) | <input checked="" type="checkbox"/> PASS <input type="checkbox"/> FAIL <input type="checkbox"/> NA | | |

测试项目 Test item: Colorfastness To Dye Transfer In Storage

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|------------------------|---|-----------------------|-----------------|-------------|-------------|-----------------|---------------|------------|
| 测试条件 Test condition | For Apparel Non-football: AATCC 163 Option 1 Modification (Do not wet adjacent white fabric and multi-fiber fabric): Place the Perspirometer with test sample into the drying cabinet at $70 \pm 2^{\circ}$ C for 48 hours. | | | | | | | |
| 要求 Requirement | Color change: 4.0 (Color change of label will be as evaluation standard (not including color change of glue edge)); Color staining: 4.0 Self staining: 4.5 (only for reference, not as evaluation standard) | | | | | | | |
| 样品变色等级 Color change | 白棉布沾色 Color staining on white fabric | 自身沾色 Self-staining | 醋酸纤维 Acetate | 棉 Cotton | 尼龙 Nylon | 涤纶 Polyester | 腈纶 Acrylic | 羊毛 wool |
| 4-5 | 4-5 | 4-5 | 4-5 | 4-5 | 4-5 | 4-5 | 4-5 | 4-5 |
| Others | N/A | | | | | | | |
| 结论 (Conclusion) | <input checked="" type="checkbox"/> PASS <input type="checkbox"/> FAIL <input type="checkbox"/> NA | | | | | | | |

测试项目 Test item: Stretch Test

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| 测试条件 Test condition | Hand stretch (RB method): grip the design a min of 2.5-4.0 cm from the graphic edge and pull in a uniform rate. The specimen should be stretch 3 times at 10% by hand after washing. |
| 要求 Requirement | Note any changes in the test report, preferably include pictures. |
| 外观 Appearance | No appearance defect |
| 结论 (Conclusion) | <input checked="" type="checkbox"/> PASS <input type="checkbox"/> FAIL <input type="checkbox"/> NA |

测试项目 Test item: Colorfastness To Crocking

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| 测试条件 | ISO 105 X12 Rub the specimen to and fro over the straight track for 10 |
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Remarks: This Heat Transfer Wash Test Report is for Avery Dennison internal reference only. Avery Dennison will comment on the legibility only. Customers are strongly recommended to evaluate the overall performance of the Heat Transfer and fabric on the bonding and washing result before production starts. Customers are highly recommended to do their own bonding and washing in the actual bonding facility.

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| Test condition | complete cycles at a rate of 1 second for each cycle | | |
| 要求 Requirement | Dry:4 Wet:3 | | |
| Dry Staining 干摩擦沾色 | 4-5 | Wet Staining 湿摩擦沾色 | 4-5 |
| 外观 Appearance | | | |
| 结论 (Conclusion) | <input checked="" type="checkbox"/> PASS <input type="checkbox"/> FAIL <input type="checkbox"/> NA | | |

*** End of Report ***