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Contact	<b>Isobel Parr</b>

**TEST REPORT: TN 384945**

<b>Identification</b>	Two samples of stuffable one size covers with pads
<b>Order No</b>	Not Stated
<b>Date Received</b> : 27 February 08	<b>Date Issued</b> : 07 March 08

Sample No	Description	Stated Composition	Care Label	End Use	Quality
1	Stuffable One Size Velcro with Pad Colour: Blue	Outer: Polyurethane polyester Lining 100% Polyester	60°C (1 Bar) Low Tumble	Cover	Not Stated
2	Stuffable One Size Poppers with Pad Colour: Pink	Outer: Polyurethane polyester Lining 100% Polyester	60°C (1 Bar) Low Tumble	Cover	Not Stated

Method	Test	Performance Code <sup>2</sup>	Pass/Fail <sup>2</sup>
Long-Tail	Colour Fastness to Rubbing - sample 1	Reusable Nappies	Pass
Long-Tail	Colour Fastness to Rubbing - sample 2	Reusable Nappies	Pass
Long-Tail	Product Cleanse - sample 1	Reusable Nappies	Fail
Long-Tail	Product Cleanse - sample 2	Reusable Nappies	Fail
Long-Tail	Security of Attachments - sample 2	Reusable Nappies	Pass
Long-Tail	Determination of Resistance of water Penetration - sample 1	Reusable Nappies	Pass
Long-Tail	Determination of Resistance of Water Penetration - sample 2	Reusable Nappies	Pass
British Standard	Fibre Composition - sample 1	N/A	N/A
British Standard	Fibre Composition - sample 2	N/A	N/A

**RESULTS****Long-Tail Method Of Test****Colour Fastness to Rubbing: BS EN ISO 105–X12: 1995**

Tested in accordance with the Long-Tail performance standard

	<u>Staining on cotton lawn</u>			
	<u>Dry</u>		<u>Wet</u>	
	<u>Warp</u>	<u>Weft</u>	<u>Warp</u>	<u>Weft</u>
Sample 1	4-5	4-5	4-5	4-5
Sample 2	4-5	4-5	4-5	4-5

**Product Cleanse: MTM1: 2005: 2A @ 60°C Low Tumble Dry**

Tested in accordance with the Long-Tail performance standard

Sample 1

**Nappy**

Cross Staining

Shade Change

Spirality

Fraying Of Fabric/Trims

Detachment Of Fastenings/Trims

Pilling / Fuzzing Of Surface Fibres

Differential Shrinkage

Unravelling / Breaks In Stitching

Other Changes

**Assessment**

4-5

Blue 4-5. White 4

None apparent

Not Frayed

Not Detached

4-5

No Changes Observed.

No unravelling / breaks observed

None observed

**Liner**

Cross Staining

Shade Change

Spirality

Fraying Of Fabric/Trims

Detachment Of Fastenings/Trims

Pilling / Fuzzing Of Surface Fibres

Differential Shrinkage

Unravelling / Breaks In Stitching

Other Changes

4-5

4-5

None apparent

Has occurred around edges of nappy liner

Not Detached

4-5

No Changes Observed.

No unravelling / breaks observed

None observed

Sample 2	
<u>Nappy</u>	<u>Assessment</u>
Cross Staining	4-5
Shade Change	4
Spirality	None apparent
Fraying Of Fabric/Trims	Has occurred to nappy liner edges
Pilling / Fuzzing Of Surface Fibres	4-5
Differential Shrinkage	No Changes Observed.
Unravelling / Breaks In Stitching	No unravelling / breaks observed
Other Changes	None observed
<u>Liner</u>	
Cross Staining	4-5
Shade Change	4 – 5 All Colours
Spirality	None apparent
Fraying Of Fabric/Trims	Not Frayed
Detachment Of Fastenings / Trims	Not Detached
Pilling / Fuzzing Of Surface Fibres	4-5
Differential Shrinkage	No Changes Observed.
Unravelling / Breaks In Stitching	No unravelling / breaks observed
Other Changes	None observed

**Security of Fastenings and Adornments: BS EN 71 Part 1: 2005**

Tested in accordance with the Long-Tail performance standard

<u>Female Popper</u>	<u>Load Required to Detach (N)</u>
	All specimens tested achieved the target load 90N
	No breakdown occurred.

<u>Male Popper</u>	<u>Load Required to Detach (N)</u>
	All specimens tested achieved the target load 90N
	No breakdown occurred.

**Determination of Resistance of Water Penetration – Hydrostatic Pressure Test: BS EN 20811: 1992 ISO 811:1981**

Tested in accordance with the Long-Tail test method manual

Note: Deviation from test procedure: Sampling in accordance with customer requirement.

Testing was carried out in a Standard Temperate atmosphere  
 The water pressure was applied from below the test specimen.  
 The water pressure was increased at 60.0 cm water/min.  
 The Inner to Outer of the fabric was tested.

Sample 1	<u>Description Area</u>	<u>Centimetres of Water</u>	<u>kPa</u>
<u>1</u>	Blue No Inner Soaker	>1000	98.0
<u>2</u>	Blue With Inner Soaker	>1000	98.0
Sample 2			
<u>1</u>	Pink No Inner Soaker	>1000	98.0
<u>2</u>	Pink With Inner Soaker	>1000	98.0

## British Standard Method Of Test

### Fibre Identification

Specimens of the fibre were removed from the yarns of the fabric and examined using chemical and microscopic techniques. The fibres were found to be:

Sample 1	
Outer	100% Polyester
Middle	100% Polyester laminated to*
Lining	100% Polyester
Stuffable Pad	100% Polyester
Sample 2	
Outer	100% Polyester
Middle	100% Polyester laminated to*
Lining	100% Polyester

### Identification of Plastic Materials

Specimens of the plastic material were examined using FT - IR. The plastic material was found to be:

Sample 1	
Middle	*Polyurethane
Sample 2	
Middle	*Polyurethane

The above Plastic Material analysis was tested on our behalf by an independent UKAS approved laboratory.



Jonathan Foister  
Assistant Manager