

CONSUMER COUNCIL - SOFTLINES

22ND FLOOR, K.WAH CENTRE, 191 JAVA ROAD, NORTH POINT, Hong Kong

The following sample(s) was/were submitted and identified on behalf of the client as:

Sample Description : Code No. : BD13
Brand: Softie
Product Name/ Series: 防水防塵蟎床墊裙腳式防水防塵床笠 HypoAllergenic Waterproof Mattress Protector (One Side) Mite Proof Protector Fitted (Sheet Design)
Thread Count:-
Color: White
Size & Content: 床笠: 48" x 78" + 12"
Batch No./ Product Code No.: 2016112508
Fibre Content: 100% Polyester

Proposed Care Instruction : Machine Wash Warm, can be bleached, tumble dry low, do not iron

Sample Receiving Date : Nov 05, 2021
Testing Period : Nov 05, 2021 – Jan 26, 2022
Test Result(s) : Unless otherwise stated the results shown in this test report refer only to the sample(s) tested, for further details, please refer to the following page(s).
Test Performed : Selected test(s) as requested by applicant

Washed, residual & tested samples returned to applicant

Signed for and on behalf of
SGS (Hong Kong) Limited

Liu Wang, Andy, Technical Manager

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COMPONENT LIST / List of Materials

Sample No.	Component No.	Description	Material	Color	Remark
A	1	shell with plastic backing	Synthetic Fibers+Plastics	white/white	/
A	2	shell	Synthetic Fibers	white	/

Test Result

Appearance After Washing

(In House Method; SL-TM-DIM-001; Washing procedure same as washing shrinkage.)

After 10 washes

Observation on washed sample	(A)	Satisfactory
1- Colour change	: Slightly changed (Grade 4)	
2- Cross staining	: Negligible staining	
3- Seam	: Negligible change	
4- Accessories	: Negligible change	
5- Shape	: Negligible distortion	

General appearance of washed sample (A) is satisfactory.

Remarks: Grey Scale Rating is based on the 5-step scale of 1 to 5, where 1 is bad and 5 is good.

Colour Fastness To Washing

(ISO 105-C06:2010; Test No.:A2S, Machine wash at 40°C with 4g/L ECE (B) and 1g/L Sodium Perborate with No Steel Balls, Liquor volume: 150ml, Time: 30 min)

	Unit	A	Requirement
Change in Shade	Grade	4-5	-
Staining On Multi-fibre Stripe			-
Acetate	Grade	4-5	-
Cotton	Grade	4-5	-
Polyamide	Grade	4-5	-
Polyester	Grade	4-5	-
Acrylic	Grade	4-5	-
Wool	Grade	4-5	-

Remark: Grey Scale Rating is based on the 5-step scale of 1 to 5, where 1 is worst and 5 is best.

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Dimensional Stability To Washing

(ISO 3759:2011/ISO 5077:2007/ISO 6330:2012; Using horizontal axis, front-loading type machine; Procedure No.4N, Machine Wash At 40°C; with 2kg total dry mass (Type III (100% Polyester) Ballast+ specimen) and 'ECE(A)' detergent+ Sodium Perborate+ TAED, Tumble Dry Low, Less Than 60°C.)

A	Original (cm)	After 10 Washes (cm)	After 10 Washes Shrinkage (%)	Requirement
Length	197.4	195.2	-1.1	-
Width	119.6	117.0	-2.2	-

Remark: (+)Means Growth; (-)Means Shrinkage

Threads Per Unit Length

(ISO 7211-2:1984; Method A)

	Unit	A	Requirement
Warp	/inch	34	-
Weft	/inch	34	-

Fibre Content

(Regulation (EU) 1007/2011 & Regulation (EU) No 1007/2011, Annex VIII, manual separation ; based on moisture regain weight & ISO/TR 11827-2012, by FTIR)

	(A)	Requirement
<u>Main Face</u> Polyester (%)	100	100
<u>Skirt</u> Polyester (%)	90.6	/
Elastane (%)	9.4	/

Note:

Based on Annex IX to Regulation (EU) No 1007/2011, moisture regain of Polyester 1.50%, Elastane 1.50%

*Main (Back): The coating contains Polyurethane.

*Polyurethane coating base analyzed by FTIR is qualitative test and the result can be reported the domain material name.

Evaluation for anti-mites activity

(GB/T 24253-2009, 9.2 Inhibition method)

Test Mite: Dermatophagides Pteronyssinus

Test Result:	After 10 washes*	Specific Requirement
Average number of mites in sample	59	/
Average number of mites in control	190	/
Inhibition rate (%)	69	/

Remark:

- *Washing procedure: GB/T 12490-2007; Test no. A1M with 4g/lit 'ECE'(B) detergent & 1g/lit sodium perborate solution with 10 steel balls
- Incubation time: 14 days
- Control sample is standard cotton, without any treating but high temperature cooking and washing by distilled water.
- Mites used in this test were TU114. The mite feed was made in the lab according to GB/T 24253-2009 Appendix A.
- The requirement of GB/T 24253-2009 (Inhibition rate) :
the sample has very good anti-mites activity: $\geq 95\%$;
the sample has good anti-mites activity: $\geq 80\%$;
the sample has anti-mites activity: $\geq 60\%$.
- The above test results were obtained from a SGS assessed competent subcontractor laboratory.

Test method of prevention of house dust mite passing through the woven fabric

(In-house method)

Test method: After placing mite medium equivalent to about 30,000 test mites in a styrene vial (40 mL) with a size of about 3.5 cm in diameter x about 6 cm in height, closed it by a specimen.
Put this on a pressure-sensitive sheet, placed in an airtight plastic food container, the humidity of which is conditioned with saturated saline solution, and then stored in a shielded incubator at a temperature of $(25\pm 2)^\circ\text{C}$
After 24 hours, counted the number of mites which penetrated through the specimen and got out of the styrene vial.

Test Mite: Dermatophagides Pteronyssinus

Test Result:	After 10 washes*	Specific Requirement
Average number of mite penetration	0	/

Remark:

- *Washing procedure: ISO 6330:2012 Procedure No. 4N; Using horizontal axis, front-loading type machine: Machine wash at 40 degree C with 2 kg total dry mass (Type III (100% polyester) ballast + specimen) and 'ECE' detergent + sodium perborate + TAED, tumble dry low less than 60 degree C
- The above test results were obtained from a SGS assessed competent subcontractor laboratory.

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Test Method : Textile: With reference to ISO 14184-1:2011. Analysis was performed by UV/VIS spectrophotometer.

<u>Test Item(s)</u>	<u>CAS NO.</u>	1
Formaldehyde	50-00-0	ND
Conclusion		PASS

<u>Test Item(s)</u>	<u>CAS NO.</u>	2
Formaldehyde	50-00-0	ND
Conclusion		PASS

Notes :

Note: n.d. = Not detected

mg/kg = ppm

* = Exceed the limit

= Result over 1/2 or 1/3 of client requirement. There is a possibility of failure on one or more components. Retesting on individual component is recommended to determine the compliance of each component to the requirement

Δ = result over 1/2 or 1/3 of client requirement. There is a possibility of failure on one or more components. Retesting on individual component has been carried out as requested to determine the compliance of each component to the requirement

Reporting limit = 16 mg/kg

Requirement: 75 mg/kg

*** End of Report ***

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Sample Photo



SL121003284484TX_001



SL121003284484TX_002

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