



Test Report

No.T52210310277SN

Date: MAY 10, 2023

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LION D.O.O.
PARTIZANSKA 37, 78400 GRADISKA, BOSNA I HERCEGOVINA

The following samples were submitted and identified by/on behalf of the client as:

BONDED FABRIC

Style No. : CORAL
P.O. No. : 206-22
Country of Origin : CHINA
Requested Age Grading : 3

\*\*\*\*\*

SGS Ref. No. : SHHL2209039990SD
Sample Receiving Date : MAY 03, 2023
Further Information Date : MAY 05, 2023
Testing Period : MAY 03, 2023 TO MAY 10, 2023



SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch Testing Center Hardlines

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Test Requested		Conclusion
1.	Client's requirement - Colour Fastness to Light	Pass
2.	Tensile Strength – Strip method (EN ISO 13934-1:2013)	See Result
3.	Per client requested, with reference to EN ISO 13936-2:2004 - Textiles— Determination of the slippage resistance of yarns at a seam in woven fabrics — Part2: Fixed load method	See Result
4.	Pilling/Fuzzing Resistance	See Result
5.	Per client requested, with reference to EN ISO 12947-2:2016 Textiles — Determination of the abrasion resistance of fabrics by the Martindale method — Part 2: Determination of specimen breakdown	See Result
6.	Tearing Strength – Wing-shaped test specimens - Single tear method (EN ISO 13937-3:2000)	See Result
7.	Colour Fastness to Rubbing (EN ISO 105-X12:2016)	See Result

\*\*\*\*\* FOR FURTHER DETAILS, PLEASE REFER TO THE FOLLOWING PAGE(S) \*\*\*\*\*

Signed for and on behalf of  
SGS-CSTC Standards Technical  
Services Co., Ltd. Shenzhen Branch Testing Center

Qu Ping, Kiky  
Dept. Manager

Chen Canjie, Anson  
Supervisor



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**Results:**

**Colour Fastness to Light**

(EN ISO 105-B02:2014; use Xenon Arc Lamp, method 2 (Modified), exposure cycle A1, no flip-flop mode was used)

Comparison upto blue wool reference 4

	<u>A</u>	<u>Client's Requirement</u>
Grade (B.W.S)	4	Min. 4

**Tensile Strength – Strip method**

(EN ISO 13934-1:2013)

Test Result:

	<u>Unit</u>	<u>A</u>
Warp/Length	N	781.5
Weft/Width	N	307.6

**Seam slippage**

(EN ISO 13936-2:2004;)

Test Result:

<u>Seam slippage at 180 N</u>	<u>A</u>
Warp//seam (mm)	Nil
Weft//seam (mm)	Nil





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## **Pilling/Fuzzing Resistance**

(EN ISO 12945-2-2020; Martindale Abrasion & Pilling Tester; Total load: 415g)

As received	
<u>Sample</u>	<u>A</u>
After 125 Rev.	
Pilling Rating	4-5
After 500 Rev.	
Pilling Rating	4-5
After 1000 Rev.	
Pilling Rating	4-5
After 2000 Rev.	
Pilling Rating	4-5
After 5000 Rev.	
Pilling Rating	4-5
As received	
<u>Sample</u>	<u>A</u>
After 125 Rev.	
Fuzzing Rating	4-5
After 500 Rev.	
Fuzzing Rating	4-5
After 1000 Rev.	
Fuzzing Rating	4-5
After 2000 Rev.	
Fuzzing Rating	4-5
After 5000 Rev.	
Fuzzing Rating	4-5



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Remarks:

Nomenclature for pilling rating:

- 5—No change
- 4—Partially formed pills
- 3—Moderate pilling – pills of varying size and density partially covering the specimen surface.
- 2—Distinct pilling – pills of varying size and density covering a large proportion of the specimen surface.
- 1—Severe pilling – pills of varying size and density covering the whole of the specimen surface.

Nomenclature for fuzzing rating:

- 5—No change
- 4—Slight surface fuzzing
- 3—Moderate surface fuzzing
- 2—Distinct surface fuzzing
- 1—Dense surface fuzzing

**Abrasion Resistance**

(EN ISO 12947-2:2016; Martindale Wear & Abrasion Tester; 12 kPa Pressure)

	Unit	<u>A</u>
The quoted result	Rubs	<u>41000 broken</u>

**Tearing Strength – Wing-shaped test specimens - Single tear method**

(EN ISO 13937-3:2000)

Test Result:

	Unit	<u>A</u>
Warp/Length Yarns Torn	N	82.3
Weft/Width Yarns Torn	N	52.6

**Colour Fastness to Rubbing**

(EN ISO 105-X12:2016; Size of rubbing finger: 16mm diameter)

Dry staining	<u>A</u>
Wet staining	4-5
	4

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**Sample Photo:**



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