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LAB N° 0572

**MESSRS:**  
**PUGI R.G. S.R.L.**  
**VIALE MARCONI 50/15**  
**59100 PRATO (PO)**  
**ITALIA**

**REPORT NR.** 1902367-001  
**REPORT DATE** 20/06/2019  
**ACCEPTANCE DATE** 14/06/2019  
**START TEST DATE** 14/06/2019  
**END TEST DATE** 20/06/2019  
**SAMPLING BY CUSTOMER**

## TEST REPORT

SAMPLE DESCRIPTION FABRIC ART. MIRAGE W 9000 COL. 7156

THE REPORT IS MADE BY THE FOLLOWING TESTS:

| TEST   | METHOD  | ACCREDIA |
|--|---|----------|
| 2028011 Abrasion resistance  | UNI EN ISO 12947-1:2000 + UNI EN ISO 12947-2:2017 |          |
| 2032052 Determination of fabric propensity to surface fuzzing and to pilling - Martindale method C | UNI EN ISO 12945-2:2002                           |          |

**Technical Manager**

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(\* ) = Test marked with asterisk are not accredited ACCREDIA.

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## NOTES ANALYTICAL TESTS

• **2028011 Abrasion resistance**

**UNI EN ISO 12947-1:2000 + UNI EN ISO 12947-2:2017**

The specimens have been acclimatized in atmosphere to  $20\pm 2^{\circ}\text{C}$  and  $65\pm 4\%\text{RH}$  in compliance with norm UNI EN ISO 139; Instrument: Martindale; CT : it shows the number of cycles at which a change in the aspect is observed and evaluated on the Grey scale for change of tone.

The individual result is the number of rubs prior to the actual End Point of the specimen.

The significant result is the lowest between the above results.

Significant changes:

Ct 4.000: 4 pilling and fuzzing

Ct 6.000: 4

Ct 16.000: 3-4

Ct 30.000: 3-4

• **2032052 Determination of fabric propensity to surface fuzzing and to pilling - Martindale method C**

**UNI EN ISO 12945-2:2002**

The specimens have been conditioned in atmosphere to  $20\pm 2^{\circ}\text{C}$  and  $65\pm 4\%\text{RH}$  in compliance with norm UNI EN ISO 139; Assessment with photographic standard and/or following scheme: 1 - Dense surface fuzzing and/or severe pilling. Pills of varying size and density covering the whole of the specimen surface; 2 - Distinct surface fuzzing and/or distinct pilling. Pills of varying size and density covering a large proportion of the specimen surface; 3 - Moderate surface fuzzing and/or moderate pilling. Pills of varying size and density partially covering the specimen surface; 4 - Slight surface fuzzing and/or partially formed pills; 5 - No changes.

Sample type: orthogonal fabric - Use furniture

Applied load:  $415\pm 2\text{g}$

## GENERAL NOTES

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| Tests   | M.U. | Results  | Method   |
|---|------|--|--|
| <b>2028011 Abrasion resistance</b>  |      |  | UNI EN ISO 12947-1:2000 +<br>UNI EN ISO 12947-2:2017 |
| Kind of item  |      | <b>WOVEN FABRIC</b>                                  |  |
| Observed End-Point  |      | <b>BREAKING OF TWO ELEMENTS (WARPS AND/OR WEFTS)</b> |  |
| Applied load  | kPa  | <b>12</b>  |  |
| Pretreatment  |      | -  | ✓  |
| Number of specimens   |      | <b>3</b>   |  |
| Result prior to the End Point - Specimen 1  | Rubs | <b>50000</b>   |  |
| Result prior to the End Point - Specimen 2  | Rubs | <b>50000</b>   |  |
| Result prior to the End Point - Specimen 3  | Rubs | <b>50000</b>   |  |
| Significant result  | Rubs | <b>50000</b>   |  |
| <b>2032052 Determination of fabric propensity to surface fuzzing and to pilling - Martindale method C</b> |      |  | UNI EN ISO 12945-2:2002                              |
| Characteristics assessed  |      | <b>PILLING AND FUZZING</b>                           |  |
| Number of specimens   |      | <b>3</b>   |  |
| Pretreatment  |      | <b>NONE</b>  |  |
| Abrading fabric   |      | <b>WOOL STANDARD</b>                                 | ✓  |
| Assessment at 500 rubs  |      | <b>4-5</b>   |  |
| Assessment at 1.000 rubs  |      | <b>4-5</b>   |  |
| Assessment at 2.000 rubs  |      | <b>4-5</b>   |  |
| Assessment at 5.000 rubs  |      | <b>4-5</b>   |  |

----- **END OF REPORT** -----

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