



LANARTEX S.r.l.

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LAB N° 0572 L

MESSRS:

PUGI R.G. S.R.L.

VIALE MARCONI 50/15
59100 PRATO (PO)
IT

| | |
|-----------------------------|----------------------|
| REPORT NR | 220004316-001 |
| REPORT DATE | 04/07/2022 |
| ACCEPTANCE DATE | 23/06/2022 |
| START TEST DATE | 04/07/2022 |
| END TEST DATE | 04/07/2022 |
| SAMPLING BY CUSTOMER | |

TEST REPORT

Item Name: ART. CONVERT 2000 COL. 2201

Material type: Orthogonal fabric
Intended use: Upholstery



Technical Manager

Dott.ssa Guidotti Valentina

Chief of Physical-Dyeing Dept.

Landini Giulia

Manager Director

Patrizia Rosati

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TEST LIST

| TEST | METHOD | ACCREDIA |
|--|---|----------|
| Abrasion resistance <i>Resistenza all' abrasione</i> | UNI EN ISO 12947-1:2000 + UNI EN ISO 12947-2:2017 | |
| Analysis of fabric propensity to surface Pilling, Fuzzing or Matting. <i>Analisi della tendenza alla formazione di Pilling, Fuzzing o Matting.</i> | UNI EN ISO 12945-2:2021 + UNI EN ISO 12945-4:2021 | |
| Colour fastness - Artificial light <i>Solidità delle Tinte - Luce artificiale</i> | UNI EN ISO 105 B02:2014 | |
| Colour fastness - Crocking dry and wet <i>Solidità delle Tinte - Sfregamento secco e umido</i> | UNI EN ISO 105 X12:2016 | |

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RESULTS

| | M.U. | RESULT |
|--|--------|---|
| UNI EN ISO 12947-1:2000 + UNI EN ISO 12947-2:2017 | | |
| Abrasion resistance | | |
| <i>Resistenza all' abrasione</i> | | |
| ----- | | |
| Sample type detail | | Woven fabric |
| <i>Dettaglio tipologia campione</i> | | Ortagonale semplice |
| Applied load | | 12 |
| <i>Carico applicato</i> | kPa | |
| Abrading fabric | | Standard wool |
| <i>Mezzo abradente</i> | | Lana standard |
| Type of End point | | Breaking Of Two Elements (Warps And/Or Wefts) |
| <i>Tipologia di End point</i> | | Rottura Di Due Elementi (Fili E/O Trame) |
| Pilling remove | | None |
| <i>Rimozione pilling</i> | | Nessuna |
| Number of specimens | | 3 |
| <i>Numero di provini</i> | Nr | |
| Change of Tone at End Point | | 3-4 |
| <i>Cambio di Tono a End Point</i> | Grado | |
| Result prior to the End Point - Specimen 1 | | 100000 |
| <i>Risultato antecedente all' End Point - Provino 1</i> | Sfreg. | |
| Result prior to the End Point - Specimen 2 | | 100000 |
| <i>Risultato antecedente all' End Point - Provino 2</i> | Sfreg. | |
| Result prior to the End Point - Specimen 3 | | 100000 |
| <i>Risultato antecedente all' End Point - Provino 3</i> | Sfreg. | |
| Significant result | | 100000 |
| <i>Risultato significativo</i> | Sfreg. | |
| CT at 6.000 rubs | | 4-5 |
| <i>CT a 6.000 Sfregamenti</i> | Grado | |
| CT at 12.000 rubs | | 4 |
| <i>CT a 12.000 Sfregamenti</i> | Grado | |

NOTES

The specimens have been acclimatized in atmosphere to 20±2°C and 65±4%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 colour change.

I campioni da testare sono stati ambientati in ambiente a 20±2°C e 65±4%UR conformemente alla norma UNI EN ISO 139; Strumento: Martindale; CT: indica il numero di cicli al quale si osserva un cambiamento di aspetto valutato con la scala dei grigi (cambiamento di tono).

| | M.U. | RESULT |
|--|------|--------|
| UNI EN ISO 12945-2:2021 + UNI EN ISO 12945-4:2021 | | |
| Analysis of fabric propensity to surface Pilling, Fuzzing or Matting. | | |
| <i>Analisi della tendenza alla formazione di Pilling, Fuzzing o Matting.</i> | | |
| ----- | | |

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| | | |
|--|--------|---------------|
| Number of specimens | Nr | 3 |
| <i>Numero di provette</i> | | |
| Abrading fabric | | Standard wool |
| <i>Mezzo abrasivo</i> | | Lana standard |
| Applied load | g | 415±2 |
| <i>Carico applicato</i> | | |
| Pilling - Average assessment at 500 rubs | Grado | 5 |
| <i>Pilling - Valutazione a 500 sfregamenti media</i> | | |
| Fuzzing - Average assessment at 500 rubs | Grado | 5 |
| <i>Fuzzing - Valutazione a 500 sfregamenti media</i> | | |
| Matting - Average assessment at 500 rubs | Grado | 5 |
| <i>Matting - Valutazione a 500 sfregamenti media</i> | | |
| Pilling - Average assessment at 1.000 rubs | Grado | 5 |
| <i>Pilling - Valutazione a 1.000 sfregamenti media</i> | | |
| Fuzzing - Average assessment at 1.000 rubs | Grado | 5 |
| <i>Fuzzing - Valutazione a 1.000 sfregamenti media</i> | | |
| Matting - Average assessment at 1.000 rubs | Grado | 5 |
| <i>Matting - Valutazione a 1.000 sfregamenti media</i> | | |
| Pilling - Average assessment at 2.000 rubs | Grado | 5 |
| <i>Pilling - Valutazione a 2.000 sfregamenti media</i> | | |
| Fuzzing - Average assessment at 2.000 rubs | Grado | 5 |
| <i>Fuzzing - Valutazione a 2.000 sfregamenti media</i> | | |
| Matting - Average assessment at 2.000 rubs | Grado | 5 |
| <i>Matting - Valutazione a 2.000 sfregamenti media</i> | | |
| Pilling - Average assessment at 5.000 rubs | Grado | 5 |
| <i>Pilling - Valutazione a 5.000 sfregamenti media</i> | | |
| Fuzzing - Average assessment at 5.000 rubs | Grado | 4-5 |
| <i>Fuzzing - Valutazione a 5.000 sfregamenti media</i> | | |
| Matting - Average assessment at 5.000 rubs | Grado | 5 |
| <i>Matting - Valutazione a 5.000 sfregamenti media</i> | | |
| Test finished at (according to the customer) | Sfreg. | 5000 |
| <i>Test concluso a (in accordo con il cliente)</i> | | |

NOTES

The specimens have been conditioned in atmosphere to 20±2°C and 65±4%RH in compliance with norm UNI EN ISO 139; Number of observers: 2. Assessment in compliance with ISO 12945-4 standard.

I campioni da testare sono stati condizionati in ambiente a 20±2°C e 65±4%UR conformemente alla norma UNI EN ISO 139; Numero di osservatori: 2. Valutazione eseguita in conformità alla normativa ISO 12945-4.

M.U.**RESULT****UNI EN ISO 105 B02:2014****Colour fastness - Artificial light***Solidità delle Tinte - Luce artificiale***Method of testing***Metodo di prova*

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Colour change

Cambio di tono

Grado

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NOTES

Apparatus: Xenotester; Test conditions: Normal; Evaluated for comparison with Grey Scale for colour change (ISO 105 A02) and Blue Scale according with 105 ISO B02 with values from 1 to 8.

Apparecchiatura di prova: Xenotester; Condizioni di prova: Normali; Valutazioni effettuate per confronto con Scala dei Grigi per il cambiamento di tono (ISO 105 A02) e Scala dei Blu conforme a ISO 105 B02 con valori da 1 a 8.

| | M.U. | RESULT |
|---|-------|--------|
| UNI EN ISO 105 X12:2016 | | |
| Colour fastness - Crocking dry and wet | | |
| <i>Solidità delle Tinte - Sfregamento secco e umido</i> | | |
| Warp - Dry | | |
| <i>Ordito - Secco</i> | Grado | 4 |
| Warp - Wet | | |
| <i>Ordito - Umido</i> | Grado | 4 |
| Weft - Dry | | |
| <i>Trama - Secco</i> | Grado | 4 |
| Weft - Wet | | |
| <i>Trama - Umido</i> | Grado | 4 |

NOTES

Evaluation executed with grey scale for colour staining according with ISO 105 A03; Percentage of absorption of the testimony: 65% Strength burden of rubbing: 9N.

Valutazioni eseguite con scala dei grigi per lo stingimento conformi alla norma ISO 105 A03; Percentuale di imbibizione del testimoniaio: 65%; Forza gravante di sfregamento: 9N.

END OF REPORT

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