



EKOTEKS

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EKOTEKS LABORATUVAR ve GÖZETİM
HİZMETLERİ A. Ş.

Esenyurt Firuzköy Bulvarı No:29 34325 Avcılar
İstanbul/ TÜRKİYE

TEST REPORT
DENEY RAPORU



AB-0583-T

16025287-
ing

06-16

Customer name: ÖZLEM KUMAŞ SAN. TİC. LTD. ŞTİ.
Address: Tekstilcent Koza Plaza Kat:31 B Blok Esenler/İSTANBUL
Buyer name: -
Contact Person: OĞUZHAN TÜRKAN
Order No: -
Article No: FURNILANA
Name and identity of test item: One sample of anthracite melange woven fabric.(claimed to be;%80 Wool, %20 Polyamide Antracide)
The date of receipt of test item: 27.05.2016
Re-submitted/re-confirmation date: -
Date of test: 27.05.2016-03.06.2016
Remarks: -
Sampling: The results given in this report belong to the received sample by vendor.
End-Use: Home Textile/ Upholstery Fabric
Care Label: -
Number of pages of the report: 8

The Turkish Accreditation Agency (TURKAK) is signatory to the multilateral agreements of the European co-operation for the Accreditation (EA) and of the International Laboratory Accreditation (ILAC) for the Mutual recognition of test reports.

The test and/or measurement results, the uncertainties (if applicable) with confidence probability and test methods are given on the following pages which are part of this report.

Seal

Date
06.06.2016

Customer Representative
Behiye ŞAŞMAZ

Head of Testing Laboratory
Sevim A. RAZAK

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| REQUIRED TESTS | PERFORMANCE LEVEL RESULT | | | | | COMMENTS |
|--|-----------------------------|---|---|---|---|----------|
| | A | B | C | D | E | |
| PHYSICAL PROPERTIES TESTS | | | | | | |
| Pilling ⁽¹⁾ | P | P | P | P | - | |
| Abrasion ⁽¹⁾ | P | P | P | - | - | |
| Seam Slippage ⁽¹⁾ | P | P | P | - | - | |
| Flammability (BS EN 1021-1:2006) ⁽²⁾ | P | | | | | |
| Flammability(BS EN 1021-2:2006) ⁽³⁾ | P | | | | | |
| COLOUR FASTNESS TESTS ⁽¹⁾ | | | | | | |
| Colour Fastness to Rubbing | P | P | P | - | - | |
| Colour Fastness to Light | P | P | P | - | - | |
| P: Pass F: Fail R: Refer to retailer technologist. ⁽¹⁾ Evaluated according to EN 14465: 2003 test standard ⁽²⁾ Evaluated according to BS EN 1021-1:2006requirements. ⁽³⁾ Evaluated according to BS EN 1021-2:2006requirements. | | | | | | |

REMARK: Original samples are kept for 3 months and all technical records are kept for 5 years unless otherwise specified. The reported uncertainty is based on a standard uncertainty multiplied by a coverage factor k=2, providing a level of confidence of approximately 95 %. Tests marked (*) in this report are not included in the accreditation schedule.

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TEST RESULTS

PILLING; ISO 12945-2:2000

Martindale Test Machine with Lissajous Figure.

Performed on original sample @ 2000, 5000 revs face to face.

The average results are given for 3 samples, Number of observers: 2,

Loading weight: 415 g \pm 2, Assesed with scale: W 3

Performed in the conditioned room (20 \pm 2°C-65% \pm 4).

RESULT

| | <u>RESULT</u> | <u>REQUIREMENT</u> | | | | |
|----------------------|----------------------|--------------------|----------|----------|----------|----------|
| | | A | B | C | D | E |
| Colour change | 4-5@2.000 revs. | \geq 4-5 | 4 | 3-4 | 3 | - |
| | 4 @5.000 revs. | - | - | - | - | - |
| | 4-5 @5.000 revs. | - | - | - | - | - |
| | Fuzzy hair formation | | | | | |

PILLING RATING

- 5 No change
- 4 Slight surface fuzzing and/or pilling
- 3 Moderate surface fuzzing and/or pilling.
- 2 Distinct surface fuzzing and/or pilling.
- 1 Dense surface fuzzing and/or severe pilling

ABRASION;ISO 12947-2:1998

Nu-Martindale Test Machine (47.5 \pm 2 rpm) with Lissajous Figure.

12 kPa pressure, (795 \pm 7) g mass

Performed in the conditioned room (20 \pm 2°C-65% \pm 4).

RESULT

| | <u>RESULT</u> | <u>REQUIREMENT</u> | | | | |
|--|--------------------------|--------------------|------------------|------------------|----------|----------|
| | | A | B | C | D | E |
| | No abrasion @50.000 revs | \geq 45(x1000) | 25-40 (x1000) | 10-20 (x1000) | - | - |

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TEST RESULTS

RUBBING; BS EN ISO 105 X12:2002

Performed in the conditioned room(20±2°C-65%±4)

Finger type:Cylindrical

Downward force : 9±0.2 N

Water absorption rate of rubbing cloth : 95 % - 100 %

Evaluated with ISO 105 A03 standart grey scale for staining assessment.

| | <u>RESULT</u> | <u>REQUIREMENT</u> | | | | |
|------------|----------------------|---------------------------|----------|----------|----------|----------|
| | | A | B | C | D | E |
| Dry | 4-5 | ≥4 | 3-4 | 3 | - | - |
| Wet | 4-5 | ≥3-4 | 3 | 2-3 | - | - |

LIGHT;BS EN ISO 105 B02:1999

Atlas BETA Light Fastness Tester. The blue wool 6 was faded up to grey scale 4.

Evaluated with standard blue wool scale.

| | <u>RESULT</u> | <u>REQUIREMENT</u> | | | | |
|--|----------------------|---------------------------|----------|----------|----------|----------|
| | | A | B | C | D | E |
| | 6+ | ≥6 | 5 | 4 | - | - |
| | | ≥6 | 5 | 4 | - | - |

COLOUR FASTNESS RATING

| COLOUR CHANGE | |
|----------------------|-------------------------|
| 5 | Negligible or no change |
| 4 | Slightly changed |
| 3 | Noticeably changed |
| 2 | Considerably changed |
| 1 | Much changed |

| COLOUR STAINING | |
|------------------------|---------------------------|
| 5 | Negligible or no staining |
| 4 | Slightly stained |
| 3 | Noticeably stained |
| 2 | Considerably stained |
| 1 | Much stained |

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TEST RESULTS

FLAMMABILITY; BS EN 1021-1:2006(*) -Smouldering Cigarette Test

The sample has not been treated with a fire-retardant chemical. Therefore original sample was tested

Conditioning

Prior to testing: All samples and cigarettes were conditioned before the test for at least 24 hours in an atmosphere having a temperature of 23±2 °C and a relative humidity of 65±4 %

Test Condition : The sample was tested in an atmosphere with a temperature of 15°C to 30°C and relative humidity of 15% to 80 %.

Filling Specification

Filling Type : Non fire retardant polyurethane foam /

Size : 450 x 300 x 75 mm (back) & 450 x 150 x 75 mm (seat)

Density / Hardness : 22 kg/m³

Type B, 130 N

Specimen size : 800 x 650 mm (length x width)

Ignition Source : Calibrated Senior Service Virginia cigarette

“The following test results relate only to the ignitability of the combination of materials under the particular conditions of test ; they are not intended as a means of assessing the full potential fire hazard of the materials in use.”

| Criteria Of Failure | Test 1 | Test 2 |
|--|---------------|---------------|
| Progressive smouldering failure | Test 1 | Test 2 |
| Any test assembly that display escalating combustion behaviour so that it is unsafe to continue the test and active extinction is necessary | NO | NO |
| Any test assembly that smoulders until it is largely consumed within the test duration | NO | NO |
| Any test assembly that smoulders to the extremities of the specimen , viz. upper or lower margins, either side or to its full thickness, within the duration of the test | NO | NO |
| Any test assembly that smoulders after one hour from the beginning of the test | NO | NO |
| Any test assembly that, on final examination, shows evidence of active smouldering | NO | NO |
| Flaming failure | | |
| Any flaming of the interior and/or cover is observed at any time within a period of 1 hour of the placement of the cigarette | NO | NO |
| RESULT | PASS | |

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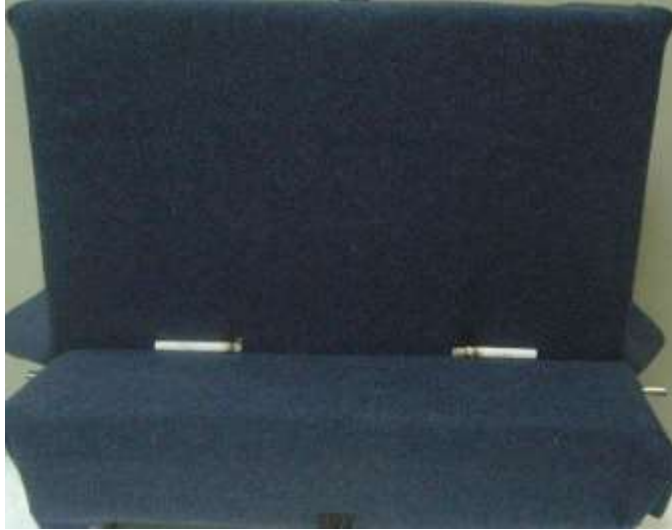
NO : Not Observed

Test Details

| | Test 1 | Test 2 |
|--|---------------|---------------|
| Smoking ceased time (after placement of the cigarette) (min:sec) | 03:00 | 05:00 |
| Flame ceased time (min:sec) | - | - |
| Progressive smouldering time (min:sec) | - | - |
| Melting | NO | NO |
| Dripping | NO | NO |
| Charring | O | O |

O : Observed
NO : Not Observed

“The fabric tested meets the requirements BS EN 1021-1:2006 ”



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TEST RESULTS

FLAMMABILITY; BS EN 1021-2:2006– Match Flame Test

The sample has not been treated with a fire-retardant chemical. Therefore original sample was tested

Conditioning

Prior to testing: All samples and cigarettes were conditioned before the test for at least 24 hours in an atmosphere having a temperature of 23 ± 2 °C and a relative humidity of 65 ± 4 %

Test Condition : The sample was tested in an atmosphere with a temperature of 15°C to 30°C and relative humidity of 15% to 80 %.

Filling Specification

Filling Type : Non fire retardant polyurethane foam

Size : 450 x 300 x 75 mm (back) & 450 x 150 x 75 mm (seat)

Density / Hardness : 22 kg/m³ Type B, 130 N

Specimen size : 800 x 650 mm (length x width)

Ignition Source : Butane gas Flowing at 45 ml/min @ 25 ° C

Flame Height : 35 mm

Flame Application Time : 15±1 seconds

“The following test results relate only to the ignitability of the combination of materials under the particular conditions of test ; they are not intended as a means of assessing the full potential fire hazard of the materials in use.”

| Criteria Of Failure | Test 1 | Test 2 |
|--|-------------|--------|
| Progressive smouldering failure | | |
| Any test assembly that display escalating combustion behaviour so that it is unsafe to continue the test and active extinction is necessary | NO | NO |
| Any test assembly that smoulders until it is largely consumed within the test duration | NO | NO |
| Any test assembly that smoulders to the extremities of the specimen , viz. upper or lower margins, either side or to its full thickness, within the duration of the test | NO | NO |
| Any test assembly that smoulders after one hour from the beginning of the test | NO | NO |
| Any test assembly that, on final examination, shows evidence of active smouldering | NO | NO |
| Flaming failure | | |
| Any test assembly that display escalating combustion behaviour so that it is unsafe to continue the test and active extinction is necessary | NO | NO |
| Any test assembly that burns until it essentially consumed within the test duration | NO | NO |
| Any test assembly on which any flame front reaches the lower margin, either side or passes through its full thickness within the duration of the test | NO | NO |
| Any flaming which continues for more than 120 s after removal of the burner tube | NO | NO |
| RESULT | PASS | |

NO : Not Observed

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Test Details

| | Test 1 | Test 2 |
|--|--------|--------|
| Duration of flaming (after removal of the burner) (min:sec) | - | - |
| Duration of progressive smouldering time (min:sec) | - | - |

“The fabric tested meets the requirements BS EN 1021-2:2006”

