



**EKOTEKS**  
LABORATUVAR VE GÖZETİM HİZMETLERİ A.Ş.

**EKOTEKS LABORATUVAR ve GÖZETİM  
HİZMETLERİ A.Ş.**  
Esenyurt Firuzköy Bulvarı No:29 34325 Avcılar  
İstanbul/ TÜRKİYE

**TEST REPORT**  
DENEY RAPORU



AB-0583-T

22005852

03-22

**Customer name:**

**Address:**

**Buyer name:**

-

**Contact Person:**

HAKAN GÜNERİ

**Order No:**

32012.22.07.TR.01

**Article No:**

NİLE (FR) 901 SİYAH

**Name and identity of test item:**

One sample of black panel

**The date of receipt of test item:**

01.03.2022

**Date of test:**

01.03.2022-07.03.2022

**Remarks:**

-

**Sampling:**

The results given in this report belong to the received sample by vendor.

**End-Use:**

**Care Label:**

-

**Number of pages of the report:** 12

*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.*

*EKOTEKS LABORATUVAR ve GÖZETİM HİZMETLERİ A.Ş. accredited by TÜRKAK under registration number [AB-0583-T] for ISO 17025:2017 as test laboratory.*

*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**  
07.03.2022

**Customer Representative**  
Zahide TAPAN

**Head of Testing Laboratory**  
Sevim A. RAZAK  
07.03.2022

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HİZMETLERİ A.Ş.

AB-0583-T

22005852

03-22

REQUIRED TESTS	EVALUATION	COMMENTS
<b>PHYSICAL PROPERTIES TESTS</b>		
Flammability/ BS 5852: Part 1- Smouldering Cigarette Test <sup>(1)</sup>	P	
Flammability/ BS 5852: Part 1-Match Flame Test <sup>(2)</sup>	P	
Flammability/ BS EN 1021-1- Smouldering Cigarette Test <sup>(3)</sup>	P	
Flammability/ BS EN 1021-2:2014 -Match Flame Test <sup>(4)</sup>	P	
P:Pass F:Fail R: Refer to retailer technologist. <sup>(1)</sup> Test results were evaluated according to BS 5852: Part 1- Smouldering Cigarette Test limit values <sup>(2)</sup> Test results were evaluated according to BS 5852: Part 1-Match Flame Test limit values <sup>(3)</sup> Test results were evaluated according to BS EN 1021-1- Smouldering Cigarette Test limit values <sup>(4)</sup> Test results were evaluated according to BS EN 1021-2:2014 -Match Flame Test limit values		

**REMARK:** Original samples are kept for 3 months and all technical records are kept for 5 years unless otherwise specified.If requested, measurement uncertainty will be reported. But unless otherwise specified, measurement uncertainty is not considered while stating compliance with specification or limit values The reported uncertainty is based on a standard uncertainty multiplied by a coverage factor  $k=2$ , providing a level of confidence of approximately 95 %. The declaration of conformity was given in accordance with the Simple Acceptance Decision Rule. Tests marked (\*) in this report are not included in the accreditation schedule



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AB-0583-T

22005852

03-22

## TEST RESULTS

**FLAMMABILITY;** BS 5852: Part 1: 1979 – Smouldering Cigarette Test

### Conditioning

**Prior to testing:** The sample was conditioned before the test for at least 16 hours in an atmosphere having a temperature of  $20\pm 5$  °C and a relative humidity of  $50\pm 20$  %

**Test Condition :** The sample was tested in an atmosphere with a temperature of 15°C to 30°C and relative humidity of 20% to 70 %.

**Cover Fabric Specification** (Standart test fabric as detailed in Schedule 1 Part 1 Of The Furniture and Furnishings (Fire)(Safety) Regulations 1988 )

**Fabric weight** :  $220\pm 5$  g/m<sup>2</sup>

**Fabric Construction** : Plain Weave woven fabric

**Fabric Type** : 100% Polyester Flame retardant fabric

**Ignition Source** : Source 0 – Test cigarette complying to standard

“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.”

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HİZMETLERİ A.Ş.

AB-0583-T

22005852

03-22

## TEST RESULTS

Criteria Of Failure	Test 1	Test 2
<b>Progressive smouldering failure</b>		
Progressive smouldering 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
<b>Flaming Failure</b>		
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
On final examination whether progressive smouldering should be observed when dismantle assembly and examine internally	NO	NO
<b>RESULT</b>	<b>PASS</b>	

O : Observed

NO : Not observed

### Test Details

	Test 1	Test 2
Smoking ceased time (after placement of the cigarette) (min:sec)	05:21	04:02
Flame ceased time (min:sec)	-	-
Progressive smouldering time (min:sec)	-	-
Melting	NO	NO
Dripping	NO	NO
Charring	O	O

“The sample tested meets the requirements of Schedule 4 Part 1 (The cigarette test) of The Furniture and Furnishings (Fire) (Safety) Regulations 1988”

Total Uncertainty :  $\pm 3,8$



Gen.F136-2/03

AB-0583-T

22005852

03-22

## TEST RESULTS

### FLAMMABILITY; BS 5852: Part 1: 1979 – Match Flame Test

#### Conditioning

**Prior to testing:** The sample was conditioned before the test for at least 16 hours in an atmosphere having a temperature of  $20\pm 5$  °C and a relative humidity of  $50\pm 20$  %

**Test Condition :** The sample was tested in an atmosphere with a temperature of 15°C to 30°C and relative humidity of 20% to 70 %.

**Cover Fabric Specification** (Standart test fabric as detailed in Schedule 1 Part 1 Of The Furniture and Furnishings (Fire)(Safety) Regulations 1988 )

**Fabric weight** :  $220\pm 5$  g/m<sup>2</sup>

**Fabric Construction** : Plain Weave woven fabric

**Fabric Type** : 100% Polyester Flame retardant fabric

**Ignition Source** : Source 1 – Butane gas Flowing at 45 ml/min @ 25 °C

**Flame Height** : 35 mm

**Flame Application Time** :  $20\pm 1$  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.”

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HİZMETLERİ A.Ş.

AB-0583-T

22005852

03-22

## TEST RESULTS

Criteria Of Failure	Test 1	Test 2
<b>Progressive smouldering failure</b>		
Any progressive smouldering of the interior and/or cover after 120 seconds of the removal of the burner tube	NO	NO
<b>Flaming Failure</b>		
Any flaming of the interior and/or cover after 120 seconds of the removal of the burner tube	NO	NO
On final examination whether progressive smouldering is observed when dismantle assembly and examine internally	NO	NO
<b>RESULT</b>	<b>PASS</b>	

O : Observed

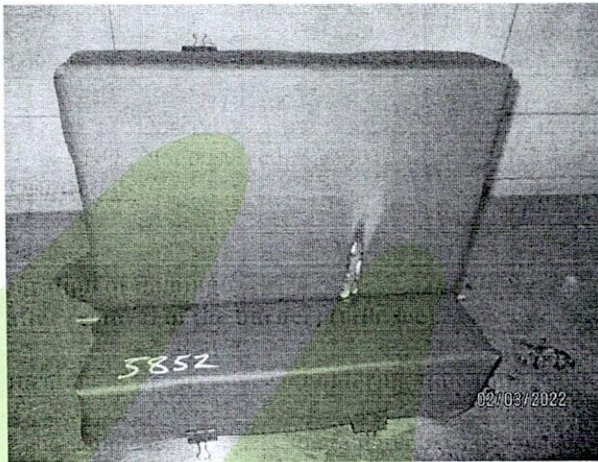
NO : Not observed

### Test Details

	Test 1	Test 2
<b>Duration of flaming (after removal of the burner) (min:sec)</b>	6 sn	4 sn
<b>Duration of progressive smouldering time (min:sec)</b>	-	-

“The sample tested meets the requirements of Schedule 5 Part 1 (The match test) of The Furniture and Furnishings (Fire) (Safety) Regulations 1988”

Total Uncertainty :  $\pm\%3,0$



AB-0583-T

22005852

03-22

## TEST RESULTS

### FLAMMABILITY; BS EN 1021-1:2014 - 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  $23\pm 2$  °C and a relative humidity of  $50\pm 5$  %

**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/m<sup>3</sup>  
Type B, 130 N

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

**Ignition Source** : Test cigarette complying to standard

“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.”

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HİZMETLERİ A.Ş.**

AB-0583-T

22005852

03-22

## TEST RESULTS

Criteria Of Failure	Test 1	Test 2
<b>Progressive smouldering failure</b>	NO	NO
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
<b>Flaming failure</b>		
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
<b>RESULT</b>	<b>PASS</b>	

O : Observed

NO : Not Observed

NA : Not Applicable

### Test Details

	Test 1	Test 2
Smoking ceased time (after placement of the cigarette) (min:sec)	04:55	04:38
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 1021-1:2014

Total Uncertainty : ±%0,9

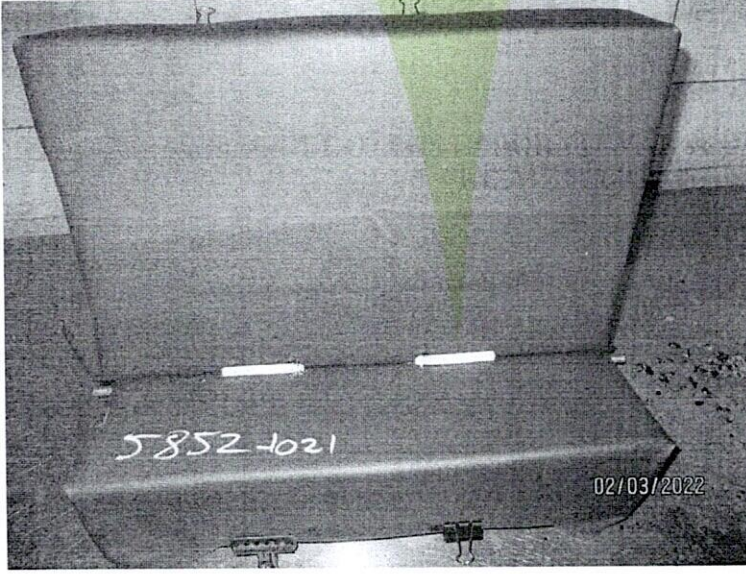


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HİZMETLERİ A.Ş.

AB-0583-T

22005852

03-22



Gen.f136-2/03

AB-0583-T

22005852

03-22

## TEST RESULTS

### FLAMMABILITY; BS EN 1021-2:2014 -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  $23\pm 2$  °C and a relative humidity of  $50\pm 5$  %

**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/m<sup>3</sup>  
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.”

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HİZMETLERİ A.Ş.

AB-0583-T

22005852

03-22

TEST RESULTS

Criteria Of Failure	Test 1	Test 2
<b>Progressive smouldering failure</b>		
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
<b>Flaming failure</b>		
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
<b>RESULT</b>	<b>PASS</b>	

O : Observed

NO : Not Observed

NA : Not Applicable

**Test Details**

	Test 1	Test 2
<b>Duration of flaming (after removal of the burner) (min:sec)</b>	7 sn	-
<b>Duration of progressive smouldering time (min:sec)</b>	-	-

O : Observed

NO : Not Observed

“The fabric tested meets the requirements BS EN 1021-2:2014

Total Uncertainty :  $\pm 8,3$

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AB-0583-T

22005852

03-22



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