

TEST REPORT
DENEY RAPORU

AB-0583-T

24008035-
ADD

05-24

Customer name: GENTUĞ TEKSTİL A.Ş.
Address: Savaş Cad. Söğüt Sok. No:1 34010, Merter/İSTANBUL
Buyer name: -
Contact Person: HASAN ERGENEKONLU
Article No: SATIS
Name and identity of test item: One sample of green panel. (Claimed to be: 200 g / K-001 YELLOW / %70 Polyester %20 Polyamide %10 Viscose)
The date of receipt of test item: 27.03.2024
Re-submitted/re-confirmation date: -
Date of test: 27.03.2024-17.04.2024
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: 6

The Turkish Accreditation Agency (TURKAK) is signatory to the multilateral agreements of the European cooperation 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
02.05.2024

Customer Representative
Buket ÇALIŞ

Head of Testing Laboratory
Sevim A. RAZAK
02.05.2024

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REQUIRED TESTS	EVALUATION	COMMENTS
ECOLOCIGAL TESTS	-	
Volatile Organic Compounds	-	
Formaldehyde	-	
Abrasion ⁽¹⁾	-	
PHYSICAL PROPERTIES TESTS		
Determination Of Density	-	
Thermal Resistance ⁽¹⁾	-	
COLOUR FASTNESS TESTS		
Colour Fastness To Light	-	
No requirement was given by vendor		

⁽¹⁾This report was reissued to add test result

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. (without considering the level of confidence and measurement uncertainty, evaluation of suitability or non-conformity based on whether the test result obtained is only within the specified limits) Tests marked (*) in this report are not included in the accreditation schedule.



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Gen.f136-2/04

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TEST RESULTS

VOLATILE ORGANIC COMPOUNDS ; EKOTEKS 54

The quantitative amount of volatile organic compounds in the sample is determined using GC-MS Headspace instrument.

	<u>CAS NO</u>	<u>RESULT</u>	<u>REQUIREMENT</u>
Benzene	71-43-2	N.D. ⁽¹⁾	-
Phenol	108-95-2	N.D. ⁽¹⁾	-
Toluene	108-88-3	N.D. ⁽¹⁾	-
Trichloroethylene	79-01-6	N.D. ⁽¹⁾	-
Tetrachloroethylene	127-18-4	N.D. ⁽¹⁾	-
1,1,1,2-Tetrachloroethane	630-20-6	N.D. ⁽¹⁾	-
1,1,2,2-Tetrachloroethane	79-34-5	N.D. ⁽¹⁾	-
o-Xylene	95-47-6	N.D. ⁽¹⁾	-
m-Xylene	108-38-3	N.D. ⁽¹⁾	-
p-Xylene	106-42-3	N.D. ⁽¹⁾	-
o-Cresol	95-48-7	N.D. ⁽¹⁾	--
m-Cresol	108-39-4	N.D. ⁽¹⁾	-
p-Cresol	106-44-5	N.D. ⁽¹⁾	-
Dichloromethane	75-09-2	N.D. ⁽¹⁾	-
Styrene	100-42-5	N.D. ⁽¹⁾	-
Vinylcyclohexene	100-40-3	N.D. ⁽¹⁾	-
4-Phenylcyclohexene	4994-16-5	N.D. ⁽¹⁾	-
1-Methyl-2pyrrolidone	872-50-4	N.D. ⁽¹⁾	-
N,N-Dimethylacetamide	127-19-5	N.D. ⁽¹⁾	--
Dimethylformamide	68-12-2	22 mg/kg	-
VinylChloride	75-01-4	N.D. ⁽¹⁾	-

N.D.⁽¹⁾ < LOD

Total Uncertainty (%) : 22,3%

FORMALDEHYDE; ISO 14184-1:2011

Formaldehyde is extracted from a textile sample with distilled water and the amount of formaldehyde released in the water is determined colorimetrically using UV-VIS spectrophotometer at the wavelength of 412 nm.

	<u>CAS NO</u>	<u>RESULT</u>	<u>REQUIREMENT</u>
Formaldehit	50-00-0	N.D. ⁽¹⁾	-

N.D.⁽¹⁾ < LOD

Total Uncertainty (%) %12,8

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TEST RESULTS

**FLEXIBLE CELLULAR MATERIALS-DETERMINATION OF DENSITY;
ASTM D3574:2017 TEST A(*)**

Performed in the conditioned room (23±2°C-50±10% RH).

Density (g/cm³)

RESULT
0,69 g/cm³

REQUIREMENT

-

COLOUR FASTNESS TO LIGHT; ISO 105 B02:2014

METHOD 3

CI4000 Fastness Tester. Test was performed according to Exposure Cycle-A1(temperate zone) condition of this standard.

The blue wool 4 was faded up to grey scale 3.

Evaluated with standard blue wool scale.

RESULT

4+

REQUIREMENT

-

Total Uncertainty (%)±0.5 grade

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TEST RESULTS

THERMAL RESISTANCE : ISO 11092:2014

Equipment :	Sweating Guarded Hot Plate Test Machine / SDL ATLAS
Conditioning/Time :	Air Temperature : 20°C, Relative Humidity : % 65 / At least 12 hours
Test Conditions :	Measuring Unit Temperature : 35°C Air Temperature: 20°C Relative Humidity : % 65 Air Speed : 1 m/s
Test conditions measured during the test:	Measuring Unit Temperature : 35°C Air Temperature: 20°C Relative Humidity : %65 Air Speed 1
Sample size tested (cm) :	48x48
Number Of Samples Tested :	3
Tested Surface :	Front

<u>Thermal Resistance (R_{ct})</u>	<u>RESULT (m²K/W)</u>	<u>REQUIREMENT</u>
Test 1	0,0549	-
Test 2	0,0503	
Test 3	0,0534	
Average R _{ct} Value	0,0529	

Total Uncertainty (%)±%22,9

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TEST RESULTS

DETERMINATION OF THE ABRASION RESISTANCE OF FABRICS BY THE MARTINDALE METHOD-DETERMINATION OF SPECIMEN BREAKDOWN :

ISO 12947-2:2016

Martindale Test Machine (47.5±2 rpm) with Lissajous Figure.

12 kPa pressure, (795±7) g mass.

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

Criteria for the end point in the evaluation are given in the table below.

Fabric Type :	woven	RESULT	REQUIREMENT
Sample 1		Abrasion @ 139.000 revs	-
Sample 2		Abrasion @ 139.000 revs	-
Sample 3		Abrasion @ 148.000 revs	-
Overall Result **		Abrasion @ 139.000 revs	-

**The overall result is the lowest individual test result of all the test specimens tested.

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Fabric Type	END-POINT CRITERIA ^a	
	"Thread breakage" Criteria:	"Worn off area" Criteria
Woven Fabric (without pile)	Two threads completely broken	NA
Flocked Fabric	NA	Fully Worn Off Area
Nonwoven Fabric	Hole in the Fabric ^b	NA

^a : Alternative test specimen breakdown point criteria could be used as agreed between the interested parties and should be reported.

^b : A hole is of a diameter at least equal to 2,5 mm, which means that the surface layer is worn away by forming a hole so that a layer with a different appearance or a backing fabric is visible when viewed through the template

N.A : Not Applicable

Total Uncertainty (%)±%10,4