



EKOTEKS

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



AB-0583-T

2500028478

11.25

TEST REPORT
DENEY RAPORU

Report Nr / Revision Nr : 2500028478
Customer name : GENTUG TEKSTİL ÜRÜNLERİ SAN VE TİC
Applicant Address : KERESTECİLER SİT SAVAŞ CAD SÖĞÜT SOK NO1
MERTER / İSTANBUL
Buyer name : -
Contact Person : -
Sample Accepted on : 30.10.2025
Re-submitted/re-confirmation date : -
Date of test: : 31.10.2025 / 12.11.2025
Fiber Composition : Claimed to be :%60RECYLED POLYESTER PET %100PES
Sample Description : 01 – BLACK FELT

Order No : AKUSTİK PLAKA
Model Number : ARKETA 3000 18MM
Previous Report No : -

Sampling : The results given in this report belong to the received sample by vendor.
End use : -
Care label : -

Decision Rule : -
Disclaimer Statement : -
Conformity Assessment : -

The Turkish Accreditation Agency (TÜRKAK) 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
12.11.2025

Customer Representative
ZAHİDE TAPAN

Laboratory Manager
Sevim A. RAZAK
12.11.2025



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TEST RESULTS

TEST	METHOD	EVALUATION
Measurement of Thermal and Water-vapour Resistance Under Steady-state Conditions	ISO 11092:2014:MADDE 7.3	-
Determination of Formaldehyde	ISO 14184-1:2011	-
Determination of Volatile Organic Compounds (VOC)	ISLETME İCİ METOT-EKOTEKS 54 (TPE-74 Rev. No:06 - FULL BİLESEN)	-

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 scope. **Photo of the sample received**



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TEST RESULTS

Sample ID	Part No.	Part ID	Explanatory Information
A KEÇE-FELT - ARKETA 3000 18MM - SIYAH-BLACK	1	BLACK FELT	

Summary of Results

Parts & Results															
Parts	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
DETERMINATION OF FORMALDEHYDE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VOLATILE ORGANIC COMPOUNDS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

P Pass
F Fail
LS Lack of sample.
NA Not applicable
R Refer to retailer technologist

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TEST RESULTS

DETERMINATION OF FORMALDEHYDE

Determination of 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.

Tested Parts	RESULT (MG/KG)	REQUIREMENT (MG/KG)	Evaluation
1	N.D	-	-

Formaldehit (Cas No:50-00-0)

N.D : Not detected

Total Uncertainty:%14,2

VOLATILE ORGANIC COMPOUNDS

Determination of Volatile Organic Compounds (VOC)

ISLETME İCI METOT-EKOTEKS 54 (TPE-74 Rev. No:06 - FULL BİLESEN)

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

Tested Parts	Result (ppm)	Limit Value (ppm)	Evaluation
1	N.D	-	-

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

ND:Not detected

Total Uncertainty:%21,9

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TEST RESULTS

SPECIMEN DESCRIPTION : / FELT

THERMAL RESISTANCE

ISO 11092:2014:MADDE 7.3

Measurement of Thermal and Water-vapour Resistance Under Steady-state Conditions

Sweating Guarded Hot Plate Test Machine / SDL ATLAS

Air Temperature : 20°C, Relative Humidity : % 65 / At least 12 hours

Measuring Unit Temperature : 35°C

Air Temperature: 20°C

Relative Humidity : % 65

Air Speed : 1 m/s

Parameters	RESULT (m2K/W)	Thermal λ (W/m·K)	Requirement	
Test 1	0,4155	-	-	-
Test 2	0,4497	-	-	-
Test 3	0,3945	-	-	-
Average Rct Value	0,4199	0,0429	-	-

Measuring unit temperature : 35 °C

Air Temperature : 20 °C

Relative humidity (%) : 65

Air Speed : 1 m/s

Number Of Samples Tested : : 3

Tested Surface : : Front

Sample size tested (cm) : 48x48

Total Uncertainty: $\pm 8.8\%$ for thermal resistance

$\pm 8.7\%$ for water vapor permeability