



**EKOTEKS**

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Test  
TS EN ISO/IEC 17025  
AB-0583-T

**EKOTEKS LABORATUVAR ve GÖZETİM  
HİZMETLERİ LTD. ŞTİ**

Esenyurt Firuzköy Bulvarı No:29 34325 Avcılar  
İstanbul/ TÜRKİYE

**TEST REPORT**  
*DENEY RAPORU*

AB-0583-T

13145135-  
ing-Add

03-14

**Customer name:** AKBEZ TEKSTİL SAN. VE TİC. A.Ş.  
**Address:** ESKİ EDİRNE YOLU NO:42 GAZİOSMANPAŞA/ İSTANBUL  
**Buyer name:** -  
**Contact Person:** HASAN AĞAOĞLU  
**Order No:** -  
**Article No:** -  
**Name and identity of test item:** One sample of (claimed to be 80% Cotton, 20% Polyester) back face white membrane coated white towel fabric.  
**The date of receipt of test item:** 18.12.2013  
**Date of test:** 18.12.2013 - 13.03.2014  
**Remarks:** -  
**Sampling:** The results given in this report belong to the received sample by vendor.  
**End-Use:** Women's Wear/Men's Wear/Kid 's Wear / Home Textile  
**Care Label:** Not specified.  
**Number of pages of the report:** 4

**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**  
17.03.2014

**Person in charge of test**  
Behiye ŞAŞMAZ

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

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REQUIRED TESTS	RESULT	COMMENTS
<b>PHYSICAL PROPERTIES TESTS</b>		
Dimensional Stability to Washing	-	
Air Permeability	-	
Water Permeability	-	
Appearance After Washing (After 100 washes) <sup>(1)</sup>	-	
No requirements were given. <sup>(1)</sup> This report was reissued to add Appearance After Washing (After 100 washes) test result.		

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

### **DIMENSIONAL STABILITY TO WASHING; ISO 6330:2000**

After 1 wash. 1A@ 90°C, line dry.

Wascator washing machine, Type A , front-loading, horizontal rotating drum type.

ECE-A (% 77) + Sodium perborate (%20) + TAED (%3) .

2 kg load. 100% polyester loading fabric.

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

	<b><u>RESULT</u></b>	<b><u>REQUIREMENT</u></b>
<b>Width</b>	-8.8%	-
<b>Length</b>	-0.4%	-

### **WATER PERMEABILITY; TS 257 EN 20811:1996**

Temperature of water 20±2°C. Pressure increase ratio 60 mbar/min.

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

<b><u>RESULT</u></b>	<b><u>REQUIREMENT</u></b>
5936.4 mm head of water	-
5691.6 mm head of water	
5620.2 mm head of water	
5732.4 mm head of water	
5916.0 mm head of water	

### **AIR PERMEABILITY; ISO 9237: 1995**

SDL M021A, ATLAS AIR PERMAMETER. Pressure: 200 Pa. Test area: 20 cm<sup>2</sup>

Test surface area: White towel part , Number of samples: 10.

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

<b><u>RESULT</u></b>	<b><u>REQUIREMENT</u></b>
0.07 l/m <sup>2</sup> /sec	-

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## TEST RESULTS

### APPEARANCE AFTER WASHING; EKOTEKS 4:2008

After 100 washes. Wascator 1A @ 92°C, flat dry.

Wascator washing machine, Type A , front-loading, horizontal rotating drum type.

ECE-B (4 parts) + Sodium perborate (1 part) .

2 kg load. 100% polyester loading fabric.

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

Colour Change is evaluated with ISO 105 A02 standard grey scale

Colour change	<b>RESULT</b>		<b>REQUIREMENT</b>
	<b>Front face (Terry fabric)</b>	<b>Back face (Membrane coating)</b>	
After 1 &2 Washes	4-5	4-5	-
After 3&4 Washes	4	4	-
After 5&6&7 Washes	3-4	3-4	-
After 8&9&10&11&12&13 Washes	3	2	-
After 14.....& 69 Washes	2-3	2	-
After 70.....& 100 Washes	2-3	1-2	-
<b>After 1&amp;2 Washes :</b> Slight swelling on coating main was observed. No obvious deterioration any colour change, tearing, puncture and deformation were observed on membrane coating and white terry main fabric.			
<b>After 3&amp;4 Washes:</b> Slight colour change white terry main and membrane coating and moderate swelling and widen on coating main was observed. No obvious deterioration any tearing, puncture and deformation were observed on membrane coating and white terry main fabric.			
<b>After 5&amp;6&amp;7 Washes:</b> Moderate colour change white terry main and membrane coating and moderate swelling and widen on coating main was observed. No obvious deterioration any tearing, puncture and deformation were observed on membrane coating and white terry main fabric			
<b>After 8&amp;9&amp;10&amp;11&amp;12&amp;13 Washes:</b> Moderate colour change white terry main and considerable colour change on white membrane coating and considerable swelling and widen on coating main was observed. No obvious deterioration any tearing, puncture and deformation were observed on membrane coating and white terry main fabric.			
<b>After 14.....&amp; 69 Washes:</b> Considerable colour change on white terry main and membrane coating and considerable swelling and widen on coating main was observed. No obvious deterioration any tearing, puncture and deformation were observed on membrane coating and white terry main fabric.			
<b>After 70.....&amp; 100 Washes:</b> Considerable colour change on white terry main and severe colour change on membrane coating and considerable swelling and widen on coating main was observed. No obvious deterioration any tearing, puncture and deformation were observed on membrane coating and white terry main fabric.			

#### 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