

COPY

KATRI Korea Apparel Testing & Research Institute

(http://www.katri.re.kr)

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Korea Government Designated Service Supplier
Approved Laboratory of the International Wool Secretariat (IWS)
Accredited Laboratory by the Japan Textile Products Quality & Technology Center (QTEC)
Affiliated Laboratory by the International Down & Feather Testing Laboratory (IDFL)

Member of ASTM
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TEST REPORT

KATRI NO. : KE3 - 06873

DATE : MAR. 19, 2003.

APPLICANT : ...

PAGE(S) : 1 OF 3

SAMPLE DESCRIPTION : 1 PIECE OF WOVEN FABRIC & 1 PIECE OF NON WOVEN FABRIC
SUBMITTED BY ... ON MAR. 06, 2003 ***

TEST ITEM	TEST RESULT					
	S/# 1			S/# 2		
<input type="checkbox"/> Emissivity of far Infrared <input type="checkbox"/> Temperature & Relative Humidity : 20±2°C & 65±2% <input type="checkbox"/> Test Method : Emissivity Test by FT-IR <input type="checkbox"/> Test Result : The test results of sample is as follows:						
	Emissivity (%)			Emission Power Energy (w/m ² · μm, 40°C)		
	5~20μm	6~14μm	Max.	5~20μm	6~14μm	Min.
Blackbody	-	-	-	402.768	269.486	38.654
S/# 1 (WOVEN FABRIC)	87.3	87.2	87.5	351.616	234.992	33.822
S/# 2 (NON WOVEN FABRIC)	86.8	86.6	87.6	349.603	233.375	33.861
Comparative sample	84.0	83.9	84.8	338.225	226.099	32.778

*: The Far Infrared emission product should be meet one more of follow need items at 5~20μm, test temp.

Need items	Sample	
	1	2
Emissivity of sample is over 5% comparison with comparative sample at 5~20μm	x	x
Emissivity of sample is over 10% comparison with comparative sample at specified wavelength	x	x
Emissivity of sample is over 90% at 5~20μm	x	x
Emissivity of sample is over 85% at 6~14μm	o	o

o : meet, x : not-meet

- Continue -

Hong Wonjoo
WONJOO HONG
Director General

The results on this sheet are offered in good faith on the basis that they were obtained in our laboratory from the samples submitted and may not truly represent.

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KATRI NO. : KE3 - 06873

PAGE (S) : 2 OF 3

TEST ITEM	TEST RESULT	
	S/# 1	S/# 2
* TEST CONDITION		
1. Measurement Wavelength : 5~20 μ m		
2. Measurement Temperature : 40 $^{\circ}$ C		
3. Sample Size : 30x30mm		
** NOTES		
1. This test result is measured by FT-IR in comparison with blackbody at 40 $^{\circ}$ C by request of applicant and if different test method, test result may be different with this test result.		
2. This test result is a reference data about the emissivity of specimen tested and if products made in this specimen, test result may be different with this test result.		
3. The error of test result is due to FT-IR, Blackbody, sample furnace and repeat test and total error is emissivity \pm 2.5, emission power energy \pm 10.070.		

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TEST REPORT

KATRI NO. : KE3 - 07894

DATE : MAR. 14, 2003.

APPLICANT : ...

SAMPLE DESCRIPTION : 1 PIECE OF NON WOVEN FABRIC SUBMITTED BY
... ON MAR. 10, 2003 ***

TEST ITEM	TEST RESULT
	S/# 1
PH : KS K 0255	7.4

S/# 1



Hong Wonjo

WONJOO HONG
Director General

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TEST REPORT

KATRI NO. : KE3 - 07893

DATE : MAR. 14, 2003.

APPLICANT : ...

SAMPLE DESCRIPTION : 1 PIECE OF WOVEN FABRIC SUBMITTED BY
... ON MAR. 10, 2003 ***

TEST ITEM	TEST RESULT
	S/# 1
PH : KS K 0255	7.6



Hong Wonjoo

WONJOO HONG
Director General

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PHOTO)

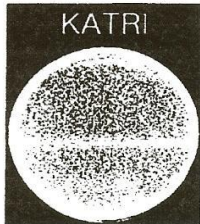
☐ 공시균 1 (*Staphylococcus aureus* ATCC 6538)



[대조편 / 표준편]



[시험편 / KE3-5678 / S#1]

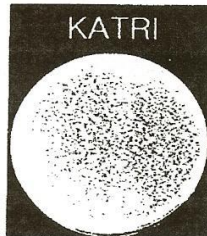


[시험편 / KE3-5678 / S#2]

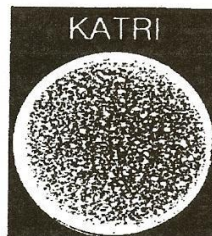


[시험편 / KE3-5678 / S#3]

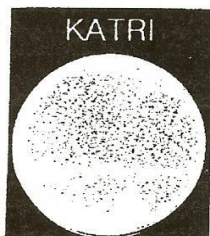
☐ 공시균 2 (*Klebsiella pneumoniae* ATCC 4352)



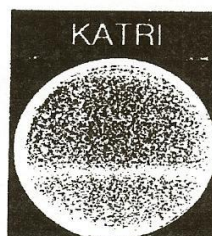
[대조편 / 표준편]



[시험편 / KE3-5678 / S#1]



[시험편 / KE3-5678 / S#2]



[시험편 / KE3-5678 / S#3]