

THE WEST END COLLECTION PALLADIUM

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Composition & Care	3	CA1237	18
Fire Certificate			
NFPA 701	4		
BS5867	6		
EN13773	8		
IMO	13		

TECHNICAL



NDFR
Non Durably Flame Retardant
chemically treated with a water solution and if wetted in any way should be retreated



DFR
Durably Flame Retardant
chemically treated to withstand a number of cleanings



IFR
Inherently Flame Retardant
woven from fibres with a high flame retardancy



FR
Flame Retardant
chemically treated to an individual specification



NOT FR
Not Flame Retardant no flame retardant treatment



Confirmation that the fabric meets one or more flame retardant standards

BS5867 BS5867 Pt2 B is the British Standard for flame retardant fabrics used for curtains and drapes

BS5852 BS5852 Pt1 is the British Standard for flammability of upholstered composites for seating

BS4790 BS4790: 1987 Determination of the effects of a small source of ignition on textile floor coverings hot metal nut method (method 1, loose laid)

EN13773: 2003 Meets European fire safety standards for vertically hung fabrics. Burning behavior, ignitability testing of curtain fabric for use in the contract market.

TL 1080-0002/8 German Military Specification for horizontally tested materials

EN14041 Details the requirement for CE Marking of textiles, laminate and resilient floor coverings

BS7905-1:2001 Lifting equipment for performance, broadcast and similar applications.

ATTRIBUTES



Approx roll length of material in linear metres (m) & feet (ft)



Approx width of material in centimetres (cm) & inches (")



Approx weight in grams per metre squared (g/m²)



Approx thickness in (mm)

M1, M2, M4 Conforms to French Fire Regulations

B1, B2 Conforms to German Fire Regulations DIN 4102

IMO Conforms to International Maritime Organisation regulations

Classe Uno Meets Italian Fire Regulations

BS EN13501-1 Fire Classification of construction, products and building elements. Classification using test data from reaction to fire tests

CFC EN ISO 9239-1 Reaction to fire test. Horizontal surface spread of flame on floor covering system. Determination of the burning behaviour using a retardant heat source

NFPA 701 NFPA 701: (USA) Standard Methods of Fire Tests for Flame Propagation of Textiles and Films

EN9239-1 Reaction to fire tests – horizontal surface spread of flame on floor covering systems

DIN EN1021 Meets European fire safety standards for exposure to different ignition sources, namely a lit cigarette and butane flame. Assessment of the ignitability of upholstered furniture



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To ensure you get the best from the product supplied to you, we advise you follow the care instructions within this datasheet.

Fabric	Flame Retardancy	IFR
	Fire Certification	BS5867, NFPA 701, IMO, EN13773, CA1237
	Brand Name (and Manufacturer)	J&C Joel Ltd.
	Material (Blending Ratio)	100% Polyester
	Construction of Fabric	Warp Knitted
Chemicals	Surface Treatments	Dyed
	Brand Name of Flame Retardant Chemicals	N/A
	Chemical name of Flame Retardant Chemicals	N/A
	Process of Flame Retardant Chemicals	N/A
Care	Information	Cold Water Wash, No Bleach, Tumble Dry (Synthetic Setting), Wash dark colours separately.
	Laundering Treatment	 Dry Clean Only  Cold Water Only  Do Not Bleach  Do Not Iron  Synthetic Setting Only
Notes		Martindale Rub Test, Abrasion Resistance: above 50,000 (certificate available).

						
Fire Rating: IFR	Approx Roll Length: 55m / 180ft	Approx Width: 150cm / 59"	Approx Weight: 300 g/m ²	Fire Certification: BS5867, NFPA 701, IMO, EN13773, CA1237	Colours Available	Approx Fabric Thickness: 1.13 mm

Determination of fabric thickness BS EN ISO 5084: 1997. Test report available upon request.

For further information please contact our sales team sales@jcjoel.com



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Fire Test Certificate

Fabric: Palladium

Type: NFPA701

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Tel : 043-711-8875 Fax : 043-711-8804

TEST REPORT



REPORT NO. : M270-20-14023
SAMPLE RECEIVED DATE : 2020-09-14
TEST STARTED DATE : 2020-09-14
REPORT ISSUED DATE : 2020-09-22
PAGE : 1 OF 2

DESCRIPTION : ONE(1) PIECE OF SUBMITTED CUTTING SAID TO BE FABRIC.

ITEM : PALLADIUM

TEST CONDUCTED : AS REQUESTED BY THE APPLICANT, FOR DETAILS PLEASE SEE ATTACHED PAGE.

SPECIMEN

PREPARED AND CHECKED BY
FOR FITI



HONG-KWAN KIM
QUALITY MANAGER

AUTHORIZED BY
FOR FITI



JE-GOO JUN
PRESIDENT

※ Report Verification No.: GFZ7-IEH5-HQLL ※

(You can see the authenticity of your test report through the above "Report Verification No." at FITI homepage.)

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Fire Test Certificate

Fabric: Palladium

Type: NFPA701



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REPORT NO. : M270-20-14023

PAGE : 2 OF 2

01. FLAMMABILITY (NFPA 701 : 2019, METHOD 1)

#1					
SAMPLE NO.	WEIGHT(g)		WEIGHT LOSS(%)	AFTER FLAME TIME(s)	DRIP BURN(s)
	ORIGINAL	AFTER TEST			
1	17.5	13.6	23.2	0	0
2	17.5	12.7	27.5	0	0
3	17.7	12.9	27.1	0	0
4	17.7	13.9	21.6	0	0
5	17.6	13.1	25.6	0	0
6	17.4	12.2	29.9	0	0
7	17.5	13.3	24.0	0	0
8	17.6	13.5	23.3	0	0
9	17.5	13.7	21.7	0	0
10	17.6	13.0	26.1	0	0
AVG.	17.6	13.2	25.0	0	0
CONCLUSION	BASED UPON THE RESULTS, THE SUBMITTED SAMPLE MEETS PERFORMANCE REQUIREMENTS AS STATED IN NFPA 701 TEST METHOD 1(2019).				

NOTE) • REQUIREMENT

DRIP BURN(s)	WEIGHT LOSS(%)	NO INDIVIDUAL SPECIMEN'S WEIGHT LOSS EXCEED THE MEAN VALUE PLUS 3 STANDARD. STANDARD DEVIATION = 2.70 THE MEAN VALUE PLUS 3 STANDARD = 33.1
AVG. : LESS THAN 2	AVG. : LESS THAN 40	

• TESTS WERE CONDUCTED ONLY IN THE ORIGINAL STATE BY THE CLIENT'S REQUEST.

** End of The Report **

SAMPLE :

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Fire Test Certificate

Fabric: Palladium

Type: BS5867

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TEST REPORT



REPORT NO. : M270-20-14025
SAMPLE RECEIVED DATE : 2020-09-14
TEST STARTED DATE : 2020-09-14
REPORT ISSUED DATE : 2020-09-22
PAGE : 1 OF 2

DESCRIPTION : ONE(1) PIECE OF SUBMITTED CUTTING SAID TO BE FABRIC.

ITEM : PALLADIUM

TEST CONDUCTED : AS REQUESTED BY THE APPLICANT, FOR DETAILS PLEASE SEE ATTACHED PAGE.

SPECIMEN

PREPARED AND CHECKED BY
FOR FITI


HONG-KWAN KIM
QUALITY MANAGER

AUTHORIZED BY
FOR FITI


JE-GOO JUN
PRESIDENT

※ Report Verification No.: 5QNM-BE1P-RVUH ※
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Fire Test Certificate

Fabric: Palladium

Type: BS5867



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Tel : 043-711-8875 Fax : 043-711-8804

REPORT NO. : M270-20-14025

PAGE : 2 OF 2

01. FLAMMABILITY (BS 5867-2 : 2008, TYPE "B"/BS EN ISO 15025 : 2002, PROCEDURE "A")

#1							
	LENGTH			WIDTH			AVG.
SPECIMEN	1	2	3	1	2	3	
WHETHER THE LOWEST BOUNDARY OF ANY FLAME OR HOLE REACHES THE UPPER OR EITHER VERTICAL EDGE	NO	NO	NO	NO	NO	NO	-
OCCURRENCE OF FLAMING DEBRIS	NO	NO	NO	NO	NO	NO	-
AFTERFLAME TIME(s)	0	0	0	0	0	0	0
AFTERGLOW TIME(s)	0	0	0	0	0	0	0
CONCLUSION	THE SUBMITTED SAMPLE MEETS THE FLAMMABILITY REQUIREMENTS FOR TYPE "B", AS SPECIFIED IN BS 5867-2 : 2008, WHEN TESTED IN ITS ORIGINAL STATE.						

NOTE) • TESTED SURFACE : FACE SIDE
• TYPE OF IGNITION : SURFACE IGNITION
• FLAME APPLICATION TIME : 15(s)
• PRETREATMENT : THE PRETREATMENT WAS NOT CONDUCTED BY THE CLIENT'S REQUEST.
• REQUIREMENTS : NO PART OF ANY HOLE NOR ANY PART OF THE LOWEST BOUNDARY OF ANY FLAME SHALL REACH THE TOP EDGE OR EITHER VERTICAL EDGE OF THE SAMPLE. IF ANY PART OF ANY HOLE OR ANY PART OF THE LOWEST BOUNDARY OF ANY FLAME, REACHES THE TOP EDGE OR EITHER VERTICAL EDGE, OR IF THERE IS ANY SEPARATION OF ANY FLAMING DEBRIS DROPLETS IN THE TESTING OF ONE SPECIMEN, A FURTHER SIX SPECIMENS SHALL BE TESTED. ALL SIX NEW SPECIMENS COMPLY WITH THE ABOVE REQUIREMENTS, THE FABRIC SHALL BE DEEMED TO CONFORM TO THE REQUIREMENTS FOR TYPE "B" OF THIS BRITISH STANDARD.

** End of The Report **

SAMPLE :

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Fire Test Certificate

Fabric: Palladium

Type: EN13773

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Test Report

Report No.: AJFS2301000357RS Date: JAN.16, 2023 Page 1 of 5

Sample Description: PALLADIUM (WT-1002J)

Style/Item No.: /

The above sample(s) was / were submitted and identified on behalf of the client. SGS is not responsible for the authenticity, integrity and results of the data and information and / or the validity of the conclusion arising therefrom. Test results apply to the sample as received.

Test Requested:

EN 13773:2003 Textiles and textile products - Burning behaviour - Curtains and drapes - Classification scheme.

Test Results: - See attached sheet -

Conclusion: The test sample "as received" meets the requirements of Class 1 specified in EN 13773:2003.

Test Period:

Sample Receiving Date : JAN. 13, 2023

Test Performing Date : JAN. 13, 2023 TO JAN. 19, 2023

Signed for and on behalf of
SGS-CSTC Standards Technical Services Co., Ltd. Anji Branch

Echo

Echo Li
Approved Signatory



SGS-CSTC Standards Technical Services Co., Ltd.
Anji Branch (Fire testing) Service

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Fabric: Palladium
Type: EN13773



Report No.: AJF52301000367RS Date: J/N.16, 2023 Page 2 of 6

This test was conducted in accordance with EN 13773:2005+A1:2005 Textiles and textile products - Burning behaviour - Curtains and drapes. Detailed procedure to determine the ignitability of vertically oriented specimen (small flame) and EN 13772:2011 textiles and textile products-burning behaviour – curtains and drapes – measurement of flame spread of vertically oriented specimens with large ignition source, classification according to EN 13773:2005.

Sample description / Color	Fabric / Black
Area density	About 235 g/m ²
Sample configuration	Single layer
Size of specimen	200 mm × 80 mm; 560 mm × 170 mm

At time of testing: Temperature between 10°C - 30°C and Relative humidity between 15% - 80%

g) EN 1101:1995 / A1:2005 // test method: EN ISO 8940:1995, Edge (corner)

[illegible]

Comment : ☐ Ionisation ☒ Non Ionisation



SBS-CSC is a joint venture between SBS, Ltd.
and Bosch Power Tools (USA), Inc.

[illegible]

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Fire Test Certificate

Fabric: Palladium

Type: EN13773

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Test Report

Report No.: AJF5230100035/185

Date: JAN.16, 2023

Page 3 of 5

b) EN 13772:2011 (flame applied time, 10 s; Bottom edge ignition)

Lengthwise: Preliminary test to indicate the worst result (if applicable)

Items	Face (one side of specimen)	Back (other side of specimen)
First thread is severed (Yes (specified time, s) /No)	No	No
Third thread is severed (Yes (specified time, s) /No)	No	No
Damaged length (mm)	75	72
Flaming debris (Yes/No)	No	No
Non-Flaming debris (Yes/No)	Yes	Yes

Base on the Preliminary test with indicating the worst result and test the other two specimens in the same way which gave the worst results.

The following test for other two specimens ([☒] Face; [☐] Back)

Items	2	3
First thread is severed (Yes (specified time, s) /No)	No	No
Third thread is severed (Yes (specified time, s) /No)	No	No
Damaged length (mm)	78	73
Flaming debris (Yes/No)	No	No
Non-Flaming debris (Yes/No)	Yes	Yes

Comment: The 1st marker threads not severed and no flaming debris

Widthwise: Preliminary test to indicate the worst result (if applicable)

Items	Face (one side of specimen)	Back (other side of specimen)
First thread is severed (Yes (specified time, s) /No)	No	No
Third thread is severed (Yes (specified time, s) /No)	No	No
Damaged length (mm)	68	71
Flaming debris (Yes/No)	No	No
Non-Flaming debris (Yes/No)	Yes	Yes



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For more information, please contact the Company. The Company is not responsible for the results of the test if the test is not performed in accordance with the test method specified in the certificate.

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Fabric: Palladium
Type: EN13773



Report No.: /JFS2301000367RS Date: JAN.16, 2023 Page 1 of 6

The following test for other two specimens (1 Face: ☒ Back)

Items	2	3
First thread is severed (Yes (specified time, s)/No)	No	No
Third thread is severed (Yes (specified time, s)/No)	No	No
Damaged length (mm)	69	65
Flaming debris (Yes/No)	No	No
Non flaming debris (Yes/No)	No	No

Additional information for reference

1) Class definitions

Class	Ignitability	Flame spread
1	Non ignition according to EN 1101	1 st marker threads not severed, no flaming debris, according to EN 13772
2	Non ignition according to EN 1101	3 rd marker threads not severed, no flaming debris, according to EN 13772
3	Non ignition according to EN 1101	3 rd marker threads severed, and/or flaming debris, according to EN 13772
4	Ignition according to EN 1101	3 rd marker threads not severed, no flaming debris, according to EN 1102
5	Ignition according to EN 1101	3 rd marker threads severed, and/or flaming debris, according to EN 1102

2) Criteria for class allocation

Class allocation according to class number is given hereafter:

- 1) If at least two specimens (out of six) give a result (severing the marker thread and/or flaming debris) belonging to a higher number class the material shall be given in this higher class.
- 2) If only one specimen (out of six) gives a result (severing the marker thread or flaming debris) belonging to a higher number class, 3 new extra specimens shall be tested in the same direction as the one giving the worst result.
- 3) If none of these new specimens gives a result belonging to the higher number class the material shall be classified in the lower number class.
- 4) If at least one of the extra specimens tested gives a result belonging to the higher number class the material shall be given this class.

[illegible]

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Fire Test Certificate

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Type: EN13773

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Test Report

Report No.: JF52301000367RS

Date: JAN.16, 2023

Page 5 of 6

Statements:

This declaration of conformity is only based on the result of this laboratory activity, the impact of the uncertainty of the results was not included.

Photo Appendix:



SGS authenticates the photo on original report only

End of Report

SPECIMEN



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Fire Test Certificate

Fabric: Palladium

Type: IMO

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TEST REPORT

No.: AJFTS25004116R01_EN

Date: Jul 03, 2025

Page 1 of 5

J&C Joel Limited

Corporation Mill, Corporation St, Sowerby Bridge HX6 2QQ, UK

Sample Description : POLYESTER VELOUR - PALLADIUM

Style/Item No. : /

The above sample(s) data and information was / were submitted and identified on behalf of the client. SGS is not responsible for the authenticity, integrity and results of the data and information and / or the validity of the conclusion arising therefrom. Results apply to the sample as received.

Sample Receiving Date : Jun 24, 2025

Testing Period : Jul 02, 2025

Test Required : IMO International code for application of fire test procedures, 2010 (2010 FTP CODE), Annex 1 Fire test procedure, Part 7 Test for Vertically Supported Textiles and Films.

Test result(s) : See attached sheet

Signed for and on behalf of

SGS-CSTC Standards Technical Services Co., Ltd Ang Branch



Eva Zhang

Approved signatory



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Fire Test Certificate

Fabric: Palladium

Type: IMO

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TEST REPORT

No.: AJFTS25004115R01_EN

Date: Jul 03, 2025

Page 2 of 5

Sample Information

The following data and information was / were submitted and identified on behalf of the client. SGS is not responsible for the authenticity, integrity and results of the data and information and / or the validity of the conclusion.

Type of product	: Drapery
Material of the product	: 100% Polyester
Composition of weave	: Warp Knitted
Mass per unit area	: 300gsm
Color and tone	: White
Fire retardant treatment	: None

SPECIMEN



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Fire Test Certificate

Fabric: Palladium

Type: IMO

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TEST REPORT

No.: AJFTS25004116R01_EN

Date: Jul 03, 2025

Page 3 of 5

Introduction

The test was conducted in accordance with 2010 FTP code Annex 1 Part 7 at the request of the client. If the sample meets performance criteria of clause 3 of 2010 FTP Code, Annex 1, Part 7, it is considered suitable for use as curtains, draperies, or free-hanging fabric product for use in rooms containing furniture and furnishings of restricted fire risk in chapter II-2 of the SOLAS Convention.

Test Specimen

Material	Polyester velour
Color	White
Mass per unit area (g/m ²)	301 g/m ²
Size of specimen	220 mm × 170 mm
Test surface	Front surface

Conditioning

Cleansing procedure: None.

The specimens were conditioned at 20±5°C and a relative humidity of 65±5% for not less than 24 h before test.

Test Result

Before cleansing

Specimen No.	Direction of the warp (Edge ignition, 15 s)					Direction of the weft (Edge ignition, 15 s)				
	1	2	3	4	5	1	2	3	4	5
After-flame time (s)	0	0	0	0	0	0	0	0	0	0
Afterglow time (s)	0	0	0	0	0	0	0	0	0	0
Occurrence of drops (Yes or No)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Drops ignite cotton wool (Yes or No)	No	No	No	No	No	No	No	No	No	No
Burn through to the edge (Yes or No)	No	No	No	No	No	No	No	No	No	No
Occurrence of surface flash and its propagation length (Yes or No (mm))	No	No	No	No	No	No	No	No	No	No
Length of char (mm)	79	80	78	77	78	76	77	77	76	77
Average of char (mm)	78					77				

Conclusion: The sample meets the performance criteria of clause 3 of 2010 FTP Code, Annex 1, Part 7.



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TEST REPORT

No.: AJFTS25004115R01_EN

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Deviation:

Any deviations from the test method: No

Performance criteria for curtains and drapes:

3.1 Products which show any of the following characteristics obtained by the fire test in appendix 1, shall be considered unsuitable for use as curtains, draperies, or free-hanging fabric product for use in rooms containing furniture and furnishings of restricted fire risk as defined in the relevant regulations of chapter II-2 of the Convention:

3.1.1 an after-flame time greater than 5 s for any of the 10 or more specimens tested with a surface application of the pilot flame (see also paragraph 3.2 below);

3.1.2 burn through, as determined by appendix 2, to any edge of any of the 10 or more specimens tested with a surface application of the pilot flame (see also paragraph 3.2 below);

3.1.3 ignition of cotton wool below the specimen in any of the 10 or more specimens tested (see also paragraph 3.2 below);

3.1.4 an average char length, as determined by appendix 2, in excess of 150 mm observed in any of the batches of five specimens tested by either surface or edge ignition; and

3.1.5 the occurrence of a surface flash propagating more than 100 mm from the point of ignition with or without charring of the base fabric (see also paragraph 3.2 below).

3.2 If, following analysis of the experimental data from tests of a fabric, it is found that either or both of the batches of five specimens cut in both warp and weft directions fail to meet one or more of the criteria specified in subparagraphs 3.1.1 to 3.1.3 and 3.1.5 above because of poor performance of only one of the five specimens tested, one complete retest of a similar batch is permitted. Failure of the second batch to meet any of the criteria shall provide the basis for rejection of the fabric for use.

Statement:

The test results relate to the behaviour of the test specimens of a product under the particular conditions of the test; they are not intended to be the sole criterion for assessing the potential fire hazard of the product in use.

Test results apply to the sample as received.

This declaration of conformity is only based on the result of this laboratory activity, the impact of the uncertainty of the results was not included.



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Fire Test Certificate

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Type: IMO

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TEST REPORT

No.: AJFTS26004115R01_EN

Date: Jul 03, 2025

Page 5 of 5

Photo Appendix



SGS authenticate the photo on original report only

End of Report

SPECIMEN



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Fire Test Certificate

Fabric: Palladium

Type: CA1237

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TEST REPORT



APPLICANT : J&C Joel Limited

REPORT NO. : M270-25-05252

SAMPLE RECEIVED DATE : 2025-10-13

REPORT ISSUED DATE : 2025-10-21

PAGE : 1 OF 2

SAMPLE DESCRIPTION : One(1) sample

SAMPLE NAME SUBMITTED BY THE APPLICANT : Palladium

TEST CONDUCTED : As requested by the applicant, for details please see attached page(s).

SPECIMEN

PREPARED AND CHECKED BY
FOR FITI

Jeong-kyun Ju

JEONG-KYUN JU
QUALITY MANAGER

AUTHORIZED BY
FOR FITI

YUN JU KEYNG

JU-KEYNG YUN
PRESIDENT

※ Report Verification No.: QGM8-SVEZ-8STZ ※

(You can see the authenticity of your test report through the above "Report Verification No." at FITI homepage.)

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REPORT NO.: M270-25-05252
PAGE : 2 OF 2

01. FLAME RETARDANCE (CALIFORNIA FIRE MARSHAL TITLE 19 : SECTION 1237.1 SMALL SCALE TEST(1993))

#1						
SPECIMEN NO.	AFTER FLAME (s)		AFTER GLOW (s)		CHAR LENGTH (mm)	
	LENGTH	WIDTH	LENGTH	WIDTH	LENGTH	WIDTH
1	0	0	0	0	114	97
2	0	0	0	0	101	106
3	0	0	0	0	103	110
4	0	0	0	0	96	103
5	0	0	0	0	112	114
AVG.	0	0	0	0	105	106
CONCLUSION	BASED UPON THE RESULTS, THE SUBMITTED SAMPLE MEETS PERFORMANCE REQUIREMENTS AS STATED IN CALIFORNIA FIRE MARSHAL TITLE 19 SECTION 1237.1:1993 USE IN IT'S ORIGINAL STATE					

NOTE) REQUIREMENT (TITLE 19 SECTION 1237)

- THE TEST SAMPLE SHALL NOT CONTINUE TO FLAME FOR MORE THAN 4 SECONDS AVERAGE AFTER THE BURNER IS REMOVED
 - THE MAXIMUM LENGTH OF CHAR FOR ANY SINGLE SPECIMEN SHALL NOT EXCEED 152 mm
- THIS STANDARD TEST METHOD AND CRITERIA OF ACCEPTANCE WAS APPLIED BY THE CLIENT'S REQUEST

**** End of The Report ****



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