

**LNE**

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Le progrès, une passion à partager

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LABORATOIRE DE TRAPPES

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This document cancels and replaces the document referenced**File P134088 - Document DE/2****CLASSIFICATION REPORT**

(free translation of French test report N° P134088 - DE/5)

established according to the article 5 of the Department State Order dated on 21 November 2002.

VALID 5 YEARS FROM 11 FEBRUARY 2015**N° P134088 - DE/6**

And appendix of 4 pages

Material submitted by : JIANGSU PIVOT NEW DECORATIVE MATERIALS CO., LTD
Pivot Industrial Park
9 Huaxi Village
HUASHI TOWN
214421 JIANGYIN
CHINA

Commercial trademark : IBOND

Brief description :
Global composition : Sandwich panel consisting by a polyethylen (LDPE) core with connection film (EVA + LDPE) covered on each face by a aluminium sheet of 0,2 mm thickness for sample of 2 mm thickness and 0,3 mm thickness for the sample of 4 mm thickness, covered by a glyceride-phthalic paint.

End-use : Digital printing, advertising, signage, decoration, etc.

Surfacic Mass : (from 3,2 to 5,4) kg/m²

Thickness : (from 2 to 4) mm

Colour : Various

Test report : **N° P134088 - DE/6 dated on 06 March 2015**

Type of tests : Heat radiation test NF P 92-501 (December 1995), saw cut and Classification determination NF P 92-507 (February 2004)

Classification : **M1**

VALID FOR ANY APPLICATION FOR WHICH THE PRODUCT IS NOT SUBJECT TO CE MARKING.

Durability of classification (NF P 92-512 : 1986) : APPARANTLY NOT LIMITED

In view of criteria resulting from the tests described in the appended Test Report N° P134088 - DE/6.

The indicated classification prejudices in no way the conformity of the materials commercialized to the samples submitted to the tests and can in no way be considered as a certificate of qualification.

This is not a product certification according to the L115-27 article of the consumption code and to the law dated on 3rd june 1994.**Note:** It is only allowed to reproduce this unique page as an integral photocopy or the whole classification report and the annexes that contains 4 pages.

Trappes, 06 March 2015

Accréditation
N° 1-0606
Portée disponible
sur www.cofrac.frThe Head of Fire Behavior and
Fire Safety Department

Sophie THIEFFRY

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**This document cancels and replaces the document referenced
File P134088 – DE/2**

TEST REPORT

(free translation of French test report N° P134088 – DE/5)

Established according to the article 5 of the department State Order dated on 21 November 2002.

VALID 5 YEARS FROM 11 FEBRUARY 2015

N° P134088 - DE/6

And appendix of 3 pages

1. PURPOSE OF TEST

The purpose of tests to which this report relates is to determine the classification of materials, in accordance with the stipulations in the order from the Ministère de l'Intérieur, dated on 21 November 2002 relating to their reaction to fire.

2. SAMPLES SUBMITTED

Test requested by	:	JIANGSU PIVOT NEW DECORATIVE MATERIALS CO., LTD
Date and reference of order	:	Your agreement on quotation n° 2014/11460 dated 2014/07/23
Producer	:	JIANGSU PIVOT NEW DECORATIVE MATERIALS CO., LTD
Trademark (commercial reference)	:	IBOND
Global Composition	:	Sandwich panel consisting by a polyethylen (LDPE) core with connection film (EVA + LDPE) covered on each face by a aluminium sheet of 0,2 mm thickness for the sample of 2 mm thickness and 0,3 mm thickness for the sample of 4 mm thickness covered by a glyceride-phthalic paint.
Characteristics attested by sponsor	:	
Tested Surfacic Mass	:	(3,2 and 5,4) kg/m ²
Tested Thickness	:	(2 and 4) mm
Tested Color	:	blue, white, gray and black

Report to be followed on next page

3. TEST CONDITIONSReceipt of samples: 2014-12-29Samples conditioning prior to tests:

Samples, possibly placed on their substrates, are conditioned prior to the test into à $(23 \pm 2) ^\circ\text{C}$ and $(50 \pm 5) \%$ relative humidity atmosphere, during seven days or until mass stabilization (case of humid or high thickness materials).

Mass is considered stabilized when two successive weighings, spaced out by 24 h, don't alter by more than 0,1 % or 0,1 g (the highest mass value is taken).

Test performed on : 13 and 14/01/2015**4. TEST RESULTS****4.1. HEAT RADIATION TEST**

<u>2 mm thickness</u>	Sample 1 Blue	Sample 2 White	Sample 3 Grey	Sample 4 Black	
Lighting time (s) exposed side (ti1)	163	198	205	187	
Lighting time (s) non exposed side (ti2)	—	—	—	—	
Total flame height Σh (cm)	57	63	60	78	
Total duration of flaming $\Sigma \Delta T$	545	487	537	463	Average =
$Q = \frac{100 \times \sum H}{\pi \sqrt{\sum \Delta T}}$	1.5	1.4	1.3	1.9	1.5
Not flaming molten drips	No	No	No	No	
No flaming molten drips	No	No	No	No	

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<u>4 mm thickness</u>	Sample 1 Blue	Sample 2 Beige	Sample 3 White	Sample 4 Black	
Lighting time (s) exposed side (ti1)	442	420	492	393	
Lighting time (s) non exposed side (ti2)	–	–	–	–	
Total flame height Σh (cm)	27	18	39	54	
Total duration of flaming ΣΔT	249	140	368	454	Average =
$Q = \frac{100 \times \sum H}{\pi \sqrt{\sum \Delta T}}$	0.4	0.4	0.4	0.6	0.5
Not flaming molten drips	No	No	No	No	
No flaming molten drips	No	No	No	No	

5. OBSERVATIONS ABOUT TESTS

According to NF P 92-507 standard, §3.2.9.a), the samples were tested with saw cut and edges draughtproofing.

Report to be followed on next page

6. CONCLUSION AND CLASSIFICATION

In view of the results, the material with the characteristics described in the first page of this test report has the classification

M1

VALID FOR ANY APPLICATION FOR WHICH THE PRODUCT IS NOT SUBJECT TO CE MARKING.

To state the classification, the uncertainty associated with the result has not been explicitly taken into account.

7. CLASSIFICATION DURABILITY

APPARANTLY NOT LIMITED

Trappes, 06 March 2015



**The Head of Fire Behavior
and Fire Safety Department**

Sophie THIEFFRY

The results, which are quoted, are only applicable to the sample, the product or material submitted to LNE and which is fully described in this document.