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LABORATOIRE DE TRAPPES

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File F110743 - Document CEMATE/52 - Page 1/5

This documents cancels and replaces the documents n° F110743 - CEMATE/28, CEMATE/29 and CEMATE/30 and is an extension of the corresponding classification report (PV).

CLASSIFICATION REPORT

(free translation of French test report)

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

VALIDITY 5 YEARS FROM 31 March 2006

N° F110743 - CEMATE/52

And appendix of 4 pages

Material submitted by	:	AVERY DENNISON Graphics Europe Rijndijk 86 - PO Box 118 2394 ZG HAZERSWOUDE THE NETHERLANDS
Commercial trademark	:	AVERY® 800 PREMIUM CAST
Brief description	:	
Global composition :		Material based of PVC film with permanent transparent acrylic based adhesive.
End-use	:	Vehicle graphics, rigid sided ; graphics on marine crafts and recreational vehicles, directional signage, window graphics and retail signage
Mass	:	(95 ± 10 %) g/m ²
Thickness	:	(80 ± 10 %) µm
Colour	:	Various
Test report	:	N° F110743- CEMATE/52 dated on 15 May 2006
Type of tests	:	Heat radiation test.
Classification	:	M1 ADHESIVE ON STEEL SHEET 15/10°
Durability of classification (appendix 22)	:	Unlimited a priori

In view of criteria resulting from the tests described in the appended Test Report N° F110743 - CEMATE/52

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 : Only full reproduction and by photocopy of the present classification report or the whole classification report and the appended lost report are authorized

Trappes, 15 May 2006



Accréditation
N° 1-0606
Portée disponible
Sur www.cofrac.fr

The Head of the Fire
Behaviour Division

Alain SAINRAT



Responsible for Test

Lise GHYZEL

Laboratoire national de métrologie et d'essais

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This documents cancels and replaces the documents n° F110743 – CEMATE/28, CEMATE/29 and CEMATE/30 and is an extension of the corresponding classification report (PV).

TEST REPORT

(free translation of French test report)

Established according to the article 5 of the department State Order dated on 21 November 200.

Modified on

VALIDITY 5 YEARS FROM 31 March 2006

N° F110743 - CEMATE/52

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 28 August, 1991 relating to their reaction to fire.

2. SAMPLES SUBMITTED

. Test sponsor	:	AVERY DENNISON
. Date of order	:	e-mail dated on 09.05.2006
. Producer	:	AVERY DENNISON
. Distributor Commercial trademark and reference	:	AVERY® 800 PREMIUM CAST
. Characteristics attested by sponsor	:	
Global Composition	:	Material based of PVC film with permanent transparent acrylic based adhesive.
Mass	:	(95 ± 10 %) g/m ²
Thickness	:	(80 ± 10 %) µm
Colours	:	Various
End-use	:	Vehicle graphics, rigid sided ; graphics on marine crafts and recreational vehicles, directional signage, window graphics and retail signage
. Characteristics observed by LNE	:	Conform to those attested by sponsor
Global composition	:	Not controlled
. DSC's keyword	:	film

3. TEST PROCEDURES AND RESULTS

Appendix page 2	:	Test procedures, conditioning, classification, ageing.
Appendix page 3	:	Results.
Appendix page 4	:	Observations about tests, conclusion and classification.

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For any difficulties in the interpretation of this document, please refer to original text in French (dossier F110743 - CEMATE/46), which is the only authentic one.
It contains 4 pages.

APPENDIX PAGE 2

**TEST PROCEDURES AND CLASSIFICATION ON TENSE MATERIALS OR MADE SUCH (STICKED)
OF ALL THICKNESS AND FLEXIBLE MATERIALS WITH THICKNESS HIGHER THAN 5 MM (EXCEPT
FILTERING MEDIA)**

1. MAIN TEST(S)

HEAT RADIATION TESTS (APPENDICES 26 to 42)

These test consist in submitting the samples, in clearly defined conditions, to the actions of a radiating heat source and producing :

- ignition of the released gases, if it occurs,
- flame propagation.

The sample (30x40 cm) inclined at 45° is submitted to a clearly defined radiation, emitted by an electric radiator, whose surface is 30 mm below the surface of the test sample. The released gases pass in contact with gas ignitors located on either side of the test sample. The duration of the test is 20 minutes.

2.SAMPLES CONDITIONING

The samples submitted with normal dimensions are kept in a conditioned enclosure (23 ± 2 °C and 50 ± 5 % RH) until their mass has stabilized. The mass is considered as stabilized when 2 successive weighings over 24 h do not differ more than 0,1 % or 0,1g.

3. CLASSIFICATION OF MATERIALS (APPENDICES 70 to 87)

It is established according to the above test. Combustible materials are classified M1, M2, M3, M4. Only those materials classified M1 without no effective ignition during the heat radiant test can claim to the M0 classification.

4. DURABILITY (APPENDIX 22)

ACCELERATED AGEING (APPENDIX 22, Article 10)

The samples are submitted during 2 months in an alternative conditioned enclosure and kept in relative humidity variations included between 15% and 90 % (the duration of each humidity period is 4 weeks).

INJECTION-EXTRACTION (APPENDIX 22, Article 27 and 30)

The sample settled on its substract is submitted 20 times to the injection-extraction applicator, before conditioning (§3 above).

The test report is following next page

APPENDIX PAGE 3

4. TESTS RESULTS

Heat radiation tests

Yellow	Sample 1	Sample 2	Sample 3	Sample 4	
Times of 1st ignition exposed side (ti1)	/	/	/	/	
Times of 1st ignition unexposed side (ti2)	/	/	/	/	
height's flame sum $\sum H$ (cm)	0	0	0	0	
effective burning period sum $\sum \Delta T$	0	0	0	0	
$q = \frac{100 \cdot \sum H}{ti \sqrt{\sum \Delta T}}$	0	0	0	0	Average = 0
Nonflaming drops	No	No	No	No	
Flaming drops	No	No	No	No	

Blue	Sample 1	Sample 2	Sample 3	Sample 4	
Times of 1st ignition exposed side (ti1)	/	/	/	/	
Times of 1st ignition unexposed side (ti2)	/	/	/	/	
height's flame sum $\sum H$ (cm)	0	0	0	0	
effective burning period sum $\sum \Delta T$	0	0	0	0	
$q = \frac{100 \cdot \sum H}{ti \sqrt{\sum \Delta T}}$	0	0	0	0	Average = 0
Nonflaming drops	No	No	No	No	
Flaming drops	No	No	No	No	

Red	Sample 1	Sample 2	Sample 3	Sample 4	
Times of 1st ignition exposed side (ti1)	/	/	/	/	
Times of 1st ignition unexposed side (ti2)	/	/	/	/	
height's flame sum $\sum H$ (cm)	0	0	0	0	
effective burning period sum $\sum \Delta T$	0	0	0	0	
$q = \frac{100 \cdot \sum H}{ti \sqrt{\sum \Delta T}}$	0	0	0	0	Average = 0
Nonflaming drops	No	No	No	No	
Flaming drops	No	No	No	No	

The test report is following next page

APPENDIX PAGE 4

5. OBSERVATIONS ABOUT TESTS

Nothing

Receipt of samples : 30/11/2005

End of tests : 13/02/2006

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

ADHESIVE ON STEEL SHEET 15/10°

7. CLASSIFICATION DURABILITY

unlimited a priori

Trappes, 15 May 2006

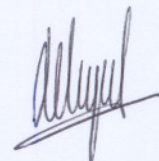
The Head of the Fire
Behaviour Division



Alain SAINRAT



Responsible for Test



Lise GHYZEL

Attention is attracted to the fact that the results obtained with the samples described in the present test report are not generalizable without justification of the representativity of samples and tests.