

CLASSIFICATION OF REACTION TO FIRE PERFORMANCE IN ACCORDANCE WITH EN 13501-1:2007+A1:2009

Sponsor	Avery Dennison P.O. Box 118 NL-2394 ZG HAZERSWOUDE The Netherlands
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Notified Body no.	1234
Product name	Avery® MPI™ 2000 Avery® MPI™ 2020
Classification report no	2012-Efectis-R9355o
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This classification report consists of five pages and may only be used in its entirety.

1. Introduction

This classification report defines the classification assigned to **Avery® MPI™ 2000 and Avery® MPI™ 2020** in accordance with the procedures given in EN 13501-1:2007+A1:2009.

2. Details of classified product

2.1 General

The products, **Avery® MPI™ 2000 and Avery® MPI™ 2020**, will be used as a multi-purpose vinyl, developed for use on various super wide format printers using solvent inks.

2.2 Product description

The products are composed of:

- Facefilm:
 - MPI 2000: 80 µm glossy white polymeric vinyl
 - MPI 2020: 80 µm matte white polymeric vinyl
- Adhesive: permanent, acrylic based, 40 µm
- Backing paper: two sides polyethylene coated kraft paper, 140 g/m²

The product has a total thickness of 120 µm.

2.3 Manufacturer/Importer

Avery Dennison
P.O. Box 118
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3. Standards, reports, results and criteria in support of this classification

3.1 Reports

Name of Laboratories	Name of sponsor	Report ref. no.	Test method
Efectis Nederland BV The Netherlands	Avery Dennison The Netherlands	2012-Efectis-R9355m 2012-Efectis-R9355n	EN ISO 11925-2:2010 EN 13823:2010

3.2 Test results

Test method and test number	Parameter	No. tests	Results	
			Continuous parameter – mean (m)	Compliance with parameters
EN-ISO 11925-2				
surface flame impingement	Fs ≤150 mm [mm]	6	30	-
	Ignition of filter paper		-	Compliant
edge flame impingement	Fs ≤150 mm [mm]	6	30	-
	Ignition of filter paper		-	Compliant
EN 13823				
Avery® MPI™ 2000	FIGRA _{0.2MJ} [W/s]	3	11	-
	FIGRA _{0.4MJ} [W/s]		0	-
	THR _{600s} [MJ]		0.5	-
	LFS < edge		-	Compliant
	SMOGRA [m ² /s ²]		7.5	-
	TSP _{600s} [m ²]		44	-
	Flaming debris - flaming ≤ 10 s - flaming > 10 s		-	Compliant Compliant
Avery® MPI™ 2020	FIGRA _{0.2MJ} [W/s]	1	0	-
	FIGRA _{0.4MJ} [W/s]		0	-
	THR _{600s} [MJ]		0.5	-
	LFS < edge		-	Compliant
	SMOGRA [m ² /s ²]		10.2	-
	TSP _{600s} [m ²]		46	-
	Flaming debris - flaming ≤ 10 s - flaming > 10 s		-	Compliant Compliant

3.3 Classification criteria

Classification criteria of the Single Burning Item (SBI) test			
Class	Fire	Class	Smoke
A2	FIGRA _{0.2 MJ} ≤ 120 W/s LFS < edge of the long wing specimen THR _{600s} ≤ 7,5 MJ	s1	SMOGRA ≤ 30 m ² /s ² TSP _{600s} ≤ 50 m ²
B	FIGRA _{0.2 MJ} ≤ 120 W/s LFS < edge of the long wing specimen THR _{600s} ≤ 7,5 MJ	s2	SMOGRA ≤ 180 m ² /s ² TSP _{600s} ≤ 200 m ²
C	FIGRA _{0.4 MJ} ≤ 250 W/s LFS < edge of the long wing specimen THR _{600s} ≤ 15 MJ	Class	Droplets
		d0	No flaming droplets/particles
D	FIGRA ≤ 750 W/s	d1	Flaming droplets/particles < 10 s
		d2	Not d0 or d1

4. Classification and field of application

4.1 Reference of classification

This classification has been carried out in accordance with clause 11 of EN 13501-1:2007+ A1:2009.

4.2 Classification

The product, **Avery® MPI™ 2000 and Avery® MPI™ 2020**, in relation to its reaction to fire behaviour is classified:

B

The additional classification in relation to smoke production is:

s1

The additional classification in relation to flaming droplets / particles is:

d0

Reaction to fire classification: B - s1, d0

4.3 Field of application

This classification is valid for the following product parameters:

- Thickness 120 μm

This classification is valid for the following end use applications:

- Substrate non-combustible
(class A1/A2 according to EN 13238:2010)
- Air gap with air gap
- Methods and means of fixing gluing using adhesive of product
- Joints no joints

4.4 Duration of the validity of this classification report

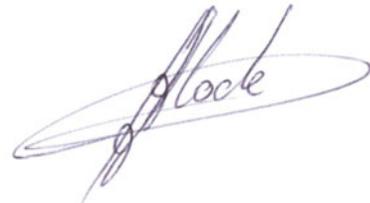
There are no limitations in time on the validity of this report.

5. Limitations

This classification document does not represent type approval or certification of the product.



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