

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

Sponsor Avery Dennison
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Notified Body no. 1234

Product name **Avery® MPI™ 2040 Transparent**

Classification report no 2012-Efectis-R9355r

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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™ 2040 Transparent** in accordance with the procedures given in EN 13501-1:2007+A1:2009.

2. Details of classified product

2.1 General

The product, **Avery® MPI™ 2040 Transparent**, is defined as a multi-purpose vinyl, for use on various super wide format printers using solvent inks.

2.2 Product description

The product is composed of:

- Film: 80 µm gloss transparent calendered vinyl
- Adhesive: permanent, acrylic based, 30 µm
- Backing paper: two sides polyethylene coated kraft paper, 140 g/m²

The product has a total thickness of 110 µm.

2.3 Manufacturer/Importer

Avery Dennison
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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-R9355p 2012-Efectis-R9355q	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	27	-
	Ignition of filter paper		-	Compliant
EN 13823				
MPI 2040	FIGRA _{0.2MJ} [W/s]	3	11	-
	FIGRA _{0.4MJ} [W/s]		0	-
	THR _{600s} [MJ]		0.4	-
	LFS < edge		-	Compliant
	SMOGRA [m ² /s ²]		15.3	-
	TSP _{600s} [m ²]		48	-
	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
		d1	Flaming droplets/particles < 10 s
D	FIGRA ≤ 750 W/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™ 2040 Transparent**, 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 110 μm

This classification is valid for the following end use applications:

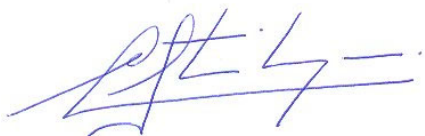
- Substrate non-combustible
(class A1/A2 according to EN 13238:2010)
- Air gap including air gaps
- Methods and means of fixing gluing using the adhesive of the product
- Joints no joints

4.4 Duration of the validity of this classification report

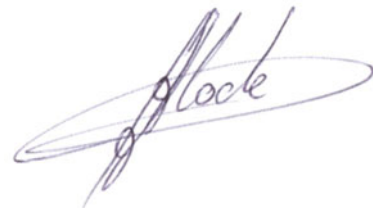
There are no limitations in time on the validity of this report.

5. Limitations

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



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