

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

Classification no.	2013-Efectis-R0367c[Rev.1]
Sponsor	Avery Dennison Graphics & Reflective Solutions P.O. Box 118 2394 ZG HAZERSWOUDE THE NETHERLANDS
Product name	Avery Dennison® 777 Cast Film
Prepared by	Efectis Nederland BV
Notified body no.	1234
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1. INTRODUCTION

1.1. PRODUCT NAME

This classification report defines the classification assigned to **Avery Dennison® 777 Cast Film** in accordance with the procedures given in EN 13501-1:2007+A1:2009.

1.2. REVISION INFORMATION

Editorial: final smoke classification corrected, from s2 into s1, in accordance with the indicated additional smoke classification s1.
Original date of issue: November 2013

2. DETAILS OF CLASSIFIED PRODUCT

2.1. GENERAL

The product, **Avery Dennison® 777 Cast Film**, is defined as a wall covering.

2.2. PRODUCT DESCRIPTION

According to the sponsor the product is composed of:

- Face film: 60 micron cast vinyl
- Adhesive: permanent, acrylic based, 25 µm
- Backing paper: one side coated white kraft paper, 137 g/m²

The product, excluding backing paper, has a total thickness of 85 µm.

See Product Data Sheets in the test reports mentioned in § 3.1.

2.3. MANUFACTURER/IMPORTER

Avery Dennison
Graphics & Reflective Solutions
P.O. Box 118
2394 ZG HAZERSWOUDE
THE NETHERLANDS

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	2013-Efectis-R0367a 2013-Efectis-R0367b	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	$F_s \leq 150$ mm	6	25	-
	Ignition of filter paper		-	Compliant
Edge flame impingement	$F_s \leq 150$ mm	6	17	-
	Ignition of filter paper		-	Compliant
EN 13823				
Colour: Black	FIGRA0.2MJ [W/s]	3	0	-
	FIGRA0.4MJ [W/s]		0	-
	THR600s [MJ]		0.6	-
	LFS < edge		-	Compliant
	SMOGRA [m ² /s ²]		16.1	-
	TSP600s [m ²]		39	-
	Flaming debris - flaming ≤ 10 s - flaming > 10 s		-	Compliant Compliant
Colour: White	FIGRA0.2MJ [W/s]	1	0	-
	FIGRA0.4MJ [W/s]		0	-
	THR600s [MJ]		0.4	-
	LFS < edge		-	Compliant
	SMOGRA [m ² /s ²]		0	-
	TSP600s [m ²]		41	-
	Flaming debris - flaming ≤ 10 s - flaming > 10 s		-	Compliant Compliant
Colour: Red	FIGRA0.2MJ [W/s]	1	0	-
	FIGRA0.4MJ [W/s]		0	-
	THR600s [MJ]		0.5	-
	LFS < edge		-	Compliant
	SMOGRA [m ² /s ²]		0	-
	TSP600s [m ²]		43	-
	Flaming debris - flaming ≤ 10 s - flaming > 10 s		-	Compliant Compliant

3.3. CLASSIFICATION CRITERIA

Fire classification of construction products and building elements Excluding floorings and linear pipe thermal insulation products			
Classification criteria			
Class	B	C	D
Test method(s)			
EN 13823	$FIGRA \leq 120 \text{ W/s}$ $LFS < \text{edge of specimen}$ $THR_{600s} \leq 7,5 \text{ MJ}$	$FIGRA \leq 250 \text{ W/s}$ $LFS < \text{edge of specimen}$ $THR_{600s} \leq 15 \text{ MJ}$	$FIGRA \leq 750 \text{ W/s}$
EN ISO 11925-2 Exposure = 30 s	$F_s \leq 150 \text{ mm}$ within 60 s Ignition of the paper in EN ISO 11925-2 results in a d2 classification.		
Additional classification			
Smoke production	s1 = $SMOGRA \leq 30 \text{ m}^2/\text{s}^2$ and $TSP_{600s} \leq 50 \text{ m}^2$; s2 = $SMOGRA \leq 180 \text{ m}^2/\text{s}^2$ and $TSP_{600s} \leq 200 \text{ m}^2$; s3 = not s1 or s2		
Flaming Droplets/particles	d0 = no flaming droplets/ particles in EN 13823 within 600 s; d1 = no flaming droplets/ particles persisting longer than 10 s in EN 13823 within 600 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 Dennison® 777 Cast Film, 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	85 µm
Other properties	Permanent adhesive

This classification is valid for the following end use applications:

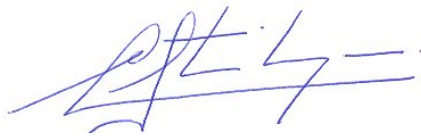
Substrate	Non-combustible (class A1/A2 according to EN 13238:2010)
Air gap	Including air gaps
Methods and means of fixing	Gluing using the adhesive of the product
Joints	Excluding joints
Other aspects of end use conditions	Different colours

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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