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CLASSIFICATION

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

Classification no.	2016-Efectis-R000012[Rev.1]
Sponsor	Avery Dennison Graphics & Reflective Solutions P.O. Box 28 2300 AA LEIDEN THE NETHERLANDS
Product name	**Floor Marking film** **DOL/MPI 5900 and DOL/MPI 6000**
Prepared by	Efectis Nederland BV
Notified body no.	1234
Author(s)	C.C.M. Steinhage B.Sc. A.J. Lock
Project number	ENL-15-001290
Date of issue	May 2016
Number of pages	5

1. INTRODUCTION

1.1 PRODUCT NAME

This classification report defines the classification assigned to **Floor Marking film, DOL/MPI 5900 and DOL/MPI 6000** in accordance with the procedures given in EN 13501-1:2007+A1:2009.

1.2 REVISION INFORMATION

Revision of the product name: from DOL/MPI 6100 in to DOL/MPI 6000.
Original date of issue: January 2016

2. DETAILS OF CLASSIFIED PRODUCT

2.1 GENERAL

The product, **Floor Marking film, DOL/MPI 5900 and DOL/MPI 6000**, is defined as a floor covering.

2.2 MANUFACTURER

Avery Dennison
Graphics & Reflective Solutions
P.O. Box 28
2300 AA LEIDEN
THE NETHERLANDS

2.3 PRODUCT DESCRIPTION

According to the sponsor the product is composed of:

DOL/MPI 5900

- Code: BD9630001
- Film: 100 µm, 121 g/m^2 plasticised PVC
- Adhesive WB: 31 µm, 36 g/m^2
- Backing paper 76 µm, kraft liner

DOL/MPI 6000

- Code: BC8750001
- Film: 208 µm, 225 g/m^2 plasticised PVC
- Adhesive WB: 31 µm, 40 g/m^2
- Backing paper 75 µm, kraft liner

In the end-use the product has a total thickness of approx. 131 µm respectively 239 µm and a mass per unit area of approx. 157 g/m^2 respectively 265 g/m^2.

3. TEST REPORTS & TEST RESULTS IN SUPPORT OF CLASSIFICATION

3.1 TEST REPORTS

Name of Laboratories	Name of sponsor	Test reports	Test method
Efectis Nederland BV THE NETHERLANDS	Avery Dennison THE NETHERLANDS	2016-Efectis-R000010[Rev.1] 2016-Efectis-R000011[Rev.1]	EN ISO 11925-2:2010 EN ISO 9239-1:2010

3.2 TEST RESULTS

Test method & test number	Parameter	No. tests	Results	
			Continuous parameter - mean (m)	Compliance Parameters
EN ISO 11925-2				
surface flame impingement	Fs ≤150 mm	6	38	-
	Ignition of filter paper		-	Compliant
EN ISO 9239-1				
239 µm	Critical Heat Flux [kW/m^2]	3	11	-
	Smoke density [%.min]		4	-
131 µm	Critical Heat Flux [kW/m^2]	1	11	-
	Smoke density [%.min]		3	-

3.3 CLASSIFICATION CRITERIA

Classification criteria of the Flooring Radiant Panel (FRP) test			
Classification criteria			
Class Test method(s)	**B_{fl}**	**C_{fl}**	**D_{fl}**
EN ISO 11925-2 Exposure = 15 s	F_s ≤ 150 mm within 20 s		
EN ISO 9239-1 Critical flux [kW/m^2]	≥ 8.0	≥ 4.5	≥ 3.0
Additional classification			
Smoke production	**s1** = ≤ 750% min **s2** = > 750% min **s3 =** not s1 or s2		

4. CLASSIFICATION AND FIELD OF APPLICATION

4.1 REFERENCE OF CLASSIFICATION

This classification has been carried out in accordance with clause 12 of EN 13501-1:2007+ A1:2009.

4.2 CLASSIFICATION

The product, **Floor Marking film, DOL/MPI 5900 and DOL/MPI 6000**, in relation to its reaction to fire behaviour is classified:

B_{fl}

The additional classification in relation to smoke production is:

s1

Reaction to fire classification: B_{fl} - s1

4.3 FIELD OF APPLICATION

This classification is valid for the following product parameters:

Thickness

• DOL/MPI 5900	131 µm
• DOL/MPI 6000	239 µm

Surface density

• DOL/MPI 5900	157 kg/m^2
• DOL/MPI 6000	265 kg/m^2

This classification is valid for the following end use applications:

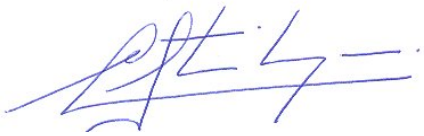
Substrate	Non-combustible (class A1, ISO 390 and EN 13238: 2010, 1800 ± 200 kg/m^3)
Air gap	No air gaps
Methods and means of fixing	Glued using products adhesive
Joints	Excluding joints
Other aspects of end use conditions	Floor covering

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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