

CLASSIFICATION OF REACTION TO FIRE PERFORMANCE IN ACCORDANCE WITH EN 13501-1:2018

Classification no.	2020-Efectis-R002535[Rev.1]
Sponsor	Avery Dennison Matériaux Belgium Sprl Boulevard J. F. Kennedy 1 7060 SOIGNIES BELGIUM
Product name	Avery Dennison® SL 6560
Prepared by	Efectis Nederland BV
Notified body no.	1234
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Number of pages	6

1. INTRODUCTION

1.1 PRODUCT IDENTIFICATION

This classification report defines the classification assigned to **Avery Dennison® SL 6560** in accordance with the procedures given in EN 13501-1:2018.

1.2 REVISION INFORMATION

This is a revised version of this report. This version supersedes all previous versions of this reports that are hereby withdrawn. Details on the changes can be found in the tables below.

Table 1.1: Revision information

Issue	Date of issue	Report no.
First issue	February 2021	2020-Efectis-R002535
First revision	September 2022	2020-Efectis-R002535[Rev.1]

Table 1.2: First revision information

Chapter of revision	Whole document
Reason of revision	The Avery Dennison® DOL 6460 has been changed at request of the sponsor to Avery Dennison® SL 6560
Consequences of revision	None, as the sponsor attested the product stays the same

2. DETAILS OF CLASSIFIED PRODUCT

2.1 GENERAL

The product, **Avery Dennison® SL 6560**, is defined as a protective over laminate film.

2.2 MANUFACTURER

Avery Dennison Matériaux Belgique Sprl
Boulevard J.F. Kennedy 1
7060 SOIGNIES
BELGIUM

2.3 PRODUCT DESCRIPTION

According to the sponsor the product is composed of:

- Face film: 38 µm, high gloss polyurethane film, clear;
- Adhesive: 36 µm, permanent, acrylic based, clear;
- Backing: 127 µm, transparent synthetic clay coated paper, 135 g/m².

The product has a total thickness of approx. 74 µm and a mass per unit area of approx. 80 g/m² (measured on the product).

The detailed specification is kept in file and defined in the test reports only, due to confidential purposes.

3. STANDARDS, REPORTS, RESULTS AND CRITERIA IN SUPPORT OF THIS CLASSIFICATION

3.1 APPLICABLE (PRODUCT) STANDARDS

EN ISO 11925-2:2020	Reaction to fire tests - Ignitability of products subjected to direct impingement of flame - Part 2: Single-flame source test
EN 13823:2020	Reaction to fire tests for building products - Building products, excluding floorings exposed to the thermal attack by a single burning item
EN 13238:2010	Reaction to fire tests for building products - Conditioning procedures and general rules for selection of substrates
EN 13501-1:2018	Fire classification of construction products and building elements Part 1: Classification using data from reaction to fire tests

3.2 REPORTS

Name of Laboratories	Name of sponsor	Report ref. no.	Test method
Efectis Nederland BV THE NETHERLANDS	Avery Dennison Matéria's Belgium Sprl BELGIUM	2020-Efectis-R002533 2020-Efectis-R002534	EN ISO 11925-2:2020 EN 13823:2020

3.3 TEST RESULTS

Test method and test number	Parameter	No. tests	Results	
			Continuous parameter – maximum	Compliance with parameters
EN ISO 11925-2				
Surface flame impingement	Fs ≤150 mm	6	30	-
	Ignition of filter paper		-	Compliant
Edge flame Impingement	Fs ≤150 mm	6	30	-
	Ignition of filter paper		-	Compliant

Test method and test number	Parameter	No. tests	Results	
			Continuous parameter – mean (m)	Compliance with parameters
EN 13823				
	FIGRA _{0.2MJ} [W/s]	3	94	-
	FIGRA _{0.4MJ} [W/s]		66	-
	THR _{600s} [MJ]		0.8	-
	LFS < edge		No	Compliant
	SMOGRA [m ² /s ²]		0.0	-
	TSP _{600s} [m ²]		21	-
	Flaming debris - flaming ≤ 10 s - flaming > 10 s			

3.4 CLASSIFICATION CRITERIA

Fire classification of construction products and building elements Excluding floorings and linear pipe thermal insulation products			
Classification criteria			
Class Test method(s)	B	C	D
EN ISO 11925-2 Exposure = 30 s	F _s ≤ 150 mm within 60 s Ignition of the paper in EN ISO 11925-2 results in a d2 classification.		
EN 13823	FIGRA _{0.2 MJ} ≤ 120 W/s LFS < edge of specimen THR _{600s} ≤ 7.5 MJ	FIGRA _{0.4 MJ} ≤ 250 W/s LFS < edge of specimen THR _{600s} ≤ 15 MJ	FIGRA _{0.4 MJ} ≤ 750 W/s
Additional classification			
Smoke production	s1 = SMOGRA ≤ 30 m ² /s ² and TSP _{600s} ≤ 50 m ² ; s2 = SMOGRA ≤ 180 m ² /s ² and TSP _{600s} ≤ 200 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 13501-1:2018.

4.2 CLASSIFICATION

The product, **Avery Dennison® SL 6560**, 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 Face film	38 μm
Thickness Adhesive	36 μm
Total thickness	74 μm
Surface density	80 g/m^2
Other properties	Colour: translucent, clear Adhesive, acrylic based
Backing	127 μm , transparent synthetic clay coated paper, 135 g/m^2

This classification is valid for the following end use applications:

Substrate	Non-combustible (class A1 according to EN 13238:2010)
Air gap	Yes
Methods and means of fixing	Glued, using the adhesive of the product
Joints	Vertical only
Other aspects of end use conditions	Protective laminate film

4.4 DURATION OF THE VALIDITY OF THIS CLASSIFICATION REPORT

Consult classification standard and national laws and regulations for limitations on the period of validity of the classification.

5. LIMITATIONS

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



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