

Siemianowice Śląskie 06.06.2025

TEST REPORT

No. LT/192/2025

Subject: Flammability testing for Fiberlogy material
PET-G V0

Ordering party:

FIBERLAB S.A.
32-014 Brzeziny, 387

The test results refer exclusively to the tested object. The report cannot be reproduced otherwise than in its complete form without the written consent of the Manager of laboratory of J.S. Hamilton Poland Sp. z o.o. branch in Siemianowice Śląskie.

Test report No. LT/192/2025**1. Contract/mandate/order number:**

396/2025/SSL

2. Date and place of the tests:

21÷29.05.2025

J.S. Hamilton Poland Sp. z o. o. – Research Laboratory
41-103 Siemianowice Śląskie, 14 Wyzwolenia Street**3. Description, condition and identification of the test object****3.1. Product manufacturer:**FIBERLAB S.A.
32-014 Brzezie. 387;**3.2. Description and condition of the object for testing:**

Table 1.

Description and condition of the object for testing: Fiberlogy PET-G V0 Natural PET-G material in natural colour (Fig. 1)	
Object identification:	Regular shape samples 130 mm x 13 mm x 3 mm in natural (white);
Serial No.:	-
Laboratory designation:	LT/192/25/1/1+5; LT/192/25/1/6+10;
Year of manufacture:	-
Documentation: - lack	

Table 2.

Description and condition of the object for testing: Fiberlogy PET-G V0 Gray PET-G material in gray (Fig. 2)	
Object identification:	Regular shape samples 130 mm x 13 mm x 3 mm in grey;
Serial No.:	-
Laboratory designation:	LT/192/25/2/1+5; LT/192/25/2/6+10;
Year of manufacture:	-
Documentation: - lack	

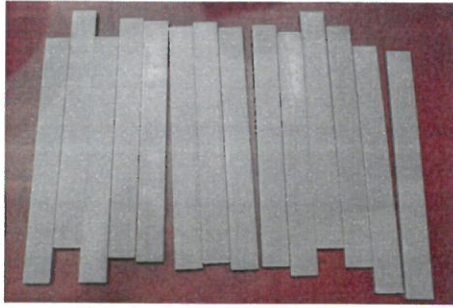
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Table 3.

Description and condition of the object to be tested Fiberlogy PET-G V0 Black PET-G material in black (Fig. 3)	
Object identification:	Regular Shape Samples 130mm x 13mm x 3mm in Black
Serial No.:	-
Laboratory designation:	LT/192/25/3/1+5; LT/192/25/3/6+10
Year of manufacture:	-
Documentation:	
- lack	

Fig. 1. View of the examined object LT/192/25/1/x
 LT/192/25/1/1+5



LT/192/25/1/6+10

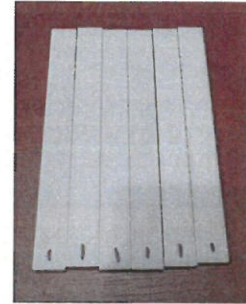
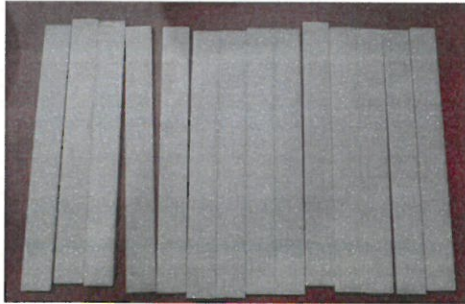


Fig. 2. View of the examined object LT/192/25/2/x
 LT/192/25/2/1+5



LT/192/25/2/6+10

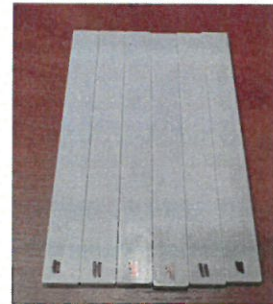
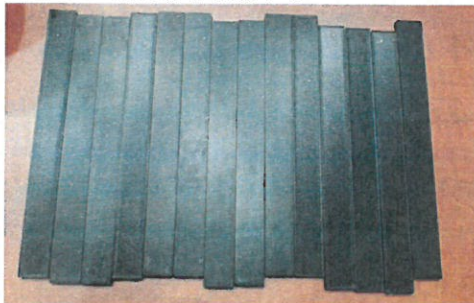
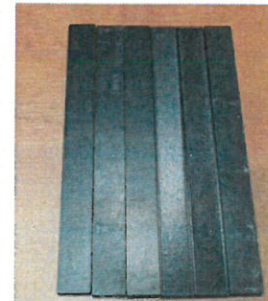


Fig. 3. View of the examined object LT/192/25/3/x
 LT/192/25/3/1+5



LT/192/25/3/6+10



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4. Scope of research

Table 2. Scope of research

Test Parameter	By standard/documentation
Fire Hazard Test: Flammability Determination Method B	PN-EN 60695-11-10:2014-02 PN-EN 60695-11-10:2014-02/AC:2017-08

Table 3. List of equipment used for the tests

Name of the apparatus	ID/Serial No.
Thermo-hygrobarometer LB-706B	C/001/LT
Thermohygrometer LB-701	C/002/LT
Caliper	A/109/LT
Rolled ruler	A/066/LT
External Micrometer	A/142/LT
Weiss WVC climate chamber C1500/70	C/299/LT
Drying oven	C/161/LT
Seconds	A/010/LT
Flammability Test Rig	C/117/LT
Universal Protractor	A/016/LT
Membrane Electronic Flow Meter BEMP-2	A/256/LT
MG-2 Gas Mixer	C/255/LT
Desiccator	-

Before the tests, the measuring equipment was checked, the equipment was in working order.

5. Course and results of the research:

5.1. Flammability category determination - method B

Environmental conditions during the test, affecting the test results:

The tests were carried out at a temperature of (23.8 ± 0.2) °C and relative humidity of air (32.1 ± 2.0) .

The test was carried out in accordance with PN-EN 60695-11-10:2014-02, PN-EN 60695-11-10:2014-02/AC:2017-08.

The results of the study are presented in Table 5+10;

Test parameters:

- 1) Sample Quantity: 2 Sets:
 - a) set I: LT/192/25/1+3/1+5;
 - b) set II: LT/192/25/1+3/6+10;
- 2) Conditioning:
 - a) set I – temperature (23 ± 1) °C, relative humidity (50 ± 4) %, time 24h,
 - b) set II – temperature (70 ± 2) °C, time 168 h, → then cooled in a desiccator for 4 h;
- 3) Flame source: flame A acc. 60695-11-4:2012, gas – methane.

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Test report No. LT/192/2025

Results: Fiberlogy PET-G V0 Natural PET-G material in white

Table 5. Result of the measurement of burning time for the test of the determination of flammability category for LT/192/25/1/1÷5 – method B – set I

Sample number	Time t1	Time t2	Time t3	Time t2+t3	Parts Falling	Pointer inflammation cotton wool	Burning up to the handle
-	s	s	s	s	Yes / No	Yes / No	Yes / No
1	-	-	-	-	-	-	-
2	-	-	-	-	-	-	-
3	-	-	-	-	-	-	-
4	-	-	-	-	-	-	-
5	-	-	-	-	-	-	-
Total Burn Time tf: = 0±0s							

t1 – first residual flame time,
 t2 – second residual flame time,
 t3 – residual glow time, after the second flame stoppage,
 TF – Total Burn Time.

Table 6. Result of the measurement of burning time for the test of the determination of the flammability category for LT/192/25/1/6÷10 – method B – set II

Sample number	Time t1	Time t2	Time t3	Time t2+t3	Parts Falling	Pointer inflammation cotton wool	Burning up to the handle
-	s	s	s	s	Yes / No	Yes / No	Yes / No
1	-	-	-	-	-	-	-
2	-	-	-	-	-	-	-
3	-	-	-	-	-	-	-
4	-	-	-	-	-	-	-
5	-	-	-	-	-	-	-
Total Burn Time tf: = 0±0s							

t1 – first residual flame time,
 t2 – second residual flame time,
 t3 – residual glow time, after the second flame stoppage,
 TF – Total Burn Time.

On the basis of the test results obtained, contained in Tables 5+6 in accordance with clause 9.4 of PN-EN 60695-11-10:2014-02, PN-EN 60695-11-10:2014-02/AC:2017-08, the tested materials **should be classified as:**

V-0 @ 3.00 mm

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Test report No. LT/192/2025

Results: Fiberlogy PET-G V0 Gray PET-G material in gray

Table 7. Result of the measurement of burning time for the flammability category test for LT/192/25/2/1÷5 – method B – set I

Sample number	Time t1	Time t2	Time t3	Time t2+t3	Parts Falling	Pointer inflammation cotton wool	Burning up to the handle
-	s	s	s	s	Yes / No	Yes / No	Yes / No
1	-	-	-	-	-	-	-
2	-	-	-	-	-	-	-
3	-	-	-	-	-	-	-
4	-	-	-	-	-	-	-
5	-	-	-	-	-	-	-
Total Burn Time tf: = 0±0s							

t1 – first residual flame time,
 t2 – second residual flame time,
 t3 – residual glow time, after the second flame stoppage,
 TF – Total Burn Time.

Table 8. Result of the measurement of burning time for the test of the determination of the flammability category for LT/192/25/2/6÷10 – method B – set II

Sample number	Time t1	Time t2	Time t3	Time t2+t3	Parts Falling	Pointer inflammation cotton wool	Burning up to the handle
-	s	s	s	s	Yes / No	Yes / No	Yes / No
6	-	-	-	-	-	-	-
7	-	-	-	-	-	-	-
8	-	-	-	-	-	-	-
9	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-
Total Burn Time tf: = 0±0s							

t1 – first residual flame time,
 t2 – second residual flame time,
 t3 – residual glow time, after the second flame stoppage,
 TF – Total Burn Time.

On the basis of the test results obtained, contained in Tables 7+8 in accordance with clause 9.4 of PN-EN 60695-11-10:2014-02, PN-EN 60695-11-10:2014-02/AC:2017-08, the tested materials **should be classified as:**

V-0 @ 3.00 mm

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Test report No. LT/192/2025

Results: Fiberlogy PET-G V0 Black PET-G material in black

Table 9. Result of the measurement of burning time for the test of the determination of the flammability category for LT/192/25/3/1+5 – method B – set I

Sample number	Time t1	Time t2	Time t3	Time t2+t3	Parts Falling	Pointer inflammation cotton wool	Burning up to the handle
-	s	s	s	s	Yes / No	Yes / No	Yes / No
6	-	-	-	-	-	-	-
7	-	-	-	-	-	-	-
8	-	-	-	-	-	-	-
9	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-
Total Burning Time tf: =0±0s							

t1 – first residual flame time,
 t2 – second residual flame time,
 t3 – residual glow time, after the second flame stoppage,
 TF – Total Burn Time.

Table 10. Result of the measurement of burning time for the test of the determination of the flammability category for LT/192/25/3/6+10 – method B – set II

Sample number	Time t1	Time t2	Time t3	Time t2+t3	Parts Falling	Pointer inflammation cotton wool	Burning up to the handle
-	s	s	s	s	Yes / No	Yes / No	Yes / No
6	-	-	-	-	-	-	-
7	-	-	-	-	-	-	-
8	-	-	-	-	-	-	-
9	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-
Total Burning Time tf: =0±0s							

t1 – first residual flame time,
 t2 – second residual flame time,
 t3 – residual glow time, after the second flame stoppage,
 TF – Total Burn Time.

On the basis of the test results obtained in Tables 9+10 in accordance with clause 9.4 of PN-EN 60695-11-10:2014-02, PN-EN 60695-11-10:2014-02/AC:2017-08, the tested materials **should be classified as:**

V-0 @ 3.00 mm

Estimating the uncertainty of the measurement result at a 95% confidence level with an extension factor of k=2.

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Test report No. LT/192/2025

6. Date of acceptance of the object for research:

29.04.2025

The rapporteur shall:

06.06.2025


Date

Ewa Lubas

surname and first name

Deputy Head of the Laboratory for
Technical Affairs

position


Ewa Lubas
Zastępca kierownika Lab.
ds: technicznych
signatureAuthorizing the report:

06.06.2025

date

Kowalski Rafał

surname and first name

Laboratory Manager

position


Rafał Kowalski
Kierownik Laboratorium
signature

END OF REPORT

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