




ZTT 中天纺检测



### TEST REPORT

Report No. :W2022-12538

Date: October 29, 2022

Applicant name : IGEPA Polska Sp.z.o.o. 

Applicant address : Aleja Pokoju 18B,31-564 Kraków.

Contact person : /

Sample description : The following sample(s) was/were submitted and identified on behalf of the client as

Item name : PVC Flex Banner

Colour : /

Style No. : 450g

Order No. : /

Composition : /

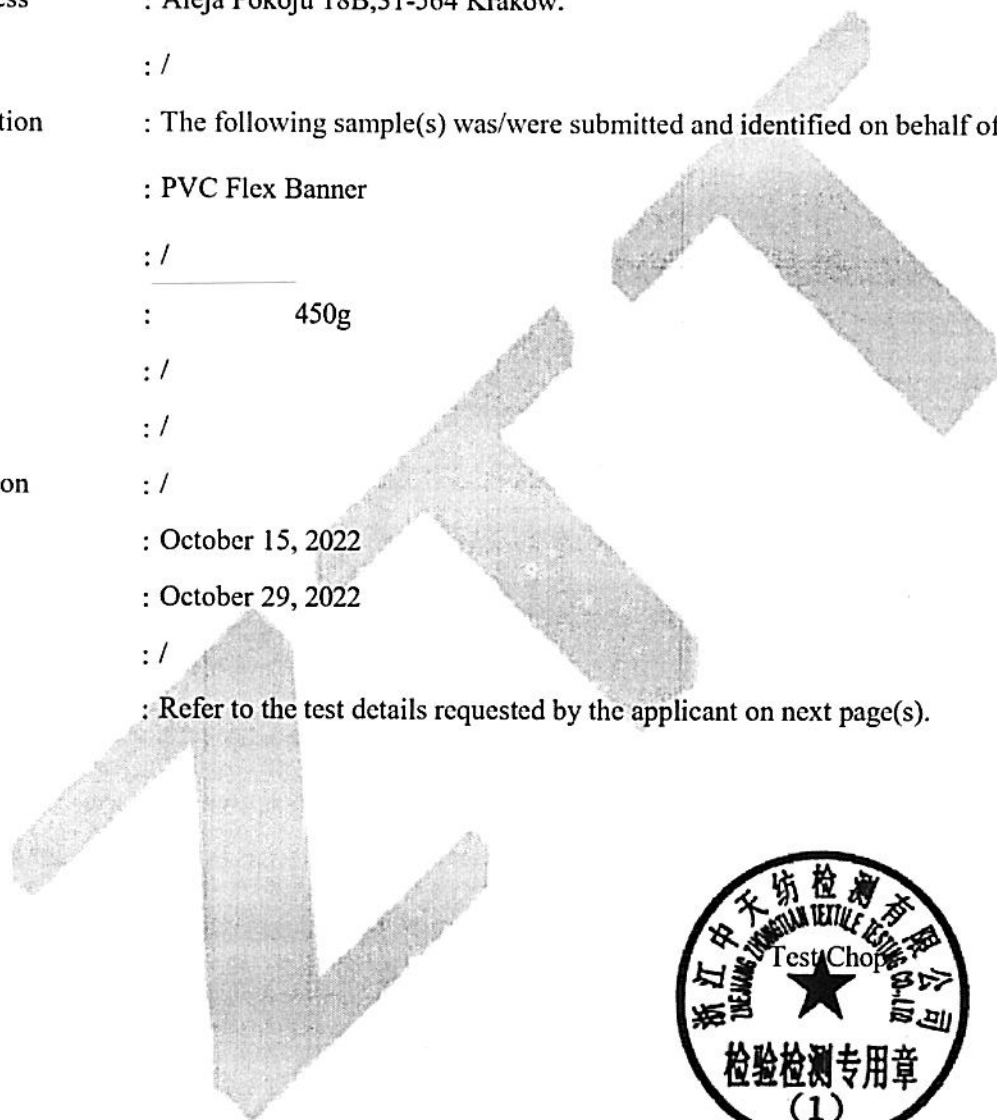
Other information : /

Date received : October 15, 2022

Test completed : October 29, 2022

Remark : /

Test details : Refer to the test details requested by the applicant on next page(s).



Approved by Lokan Verified by Sean Prepared by Ada



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Test details requested by the applicant :

**Fire behaviour**(Method: DIN 4102-1:1998)

**Conditioning**

Prior to testing, the sample was conditioned at least 14 days to constant mass at a temperature of 23 ±2 °C, and a relative humidity of 50 ±6 %.

**Test results**

“Brandschacht“ Test according to DIN 4102-1:1998

Exposed surface: The Front face

Results of “Brandschacht” Test (part 1)					
Line No.	Unit	Test Line assemblies No.			
		A	B	C	D
1	Specimen fixings according to DIN 4102 part 15, table	-	1		
2	Max. flame height above lower sample edge;	cm	30		
3	Time <sup>1)</sup>	s	1		
4	<u>Melting/burning through</u> Time <sup>1)</sup>	s	1		
5	<u>Back of specimen</u> Flaming/glowing, Time <sup>1)</sup>	s	1		
6	Discolouring, Time <sup>1)</sup>	s	1		
7	<u>Burning droplets</u> Begin 1)	s	NO		
8	Amount		/		
9	Specimen material falling off in separate droplets		/		
9	Specimen material falling off continuously		/		
10	<u>Burning parts</u> Begin 1)	s	NO		
11	Parts of sample falling off separately		/		
12	Parts of sample falling off continuously		/		
13	Duration of continued combustion on mesh base (max.)	s	NO		
14	<u>Burner flame impairment by dripping/falling material</u> Time <sup>1)</sup>	s	NO		
15	<u>Premature ending of test</u> End of burning at specimen <sup>1)</sup>	s	/		
16	Time when test terminated (if applicable) <sup>1)</sup>	s	/		
17	<u>Burning after end of test</u> Duration	s	NO		
18	Number of specimens		/		
19	Front of specimen		/		
20	Back of specimen		/		
21	Height of flame	cm	/		

Results of “Brandschacht” Test (part 2)

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Line No.	Unit	Test Line assemblies No.			
		A	B	C	D
	<u>Glowing after end of test</u>	NO			
22	Duration	/			
23	Number of specimens	/			
24	Front of specimen	/			
25	Back of specimen	/			
26	Top half of specimen	/			
27	Bottom half of specimen	/			
	<u>Residual length</u>				
28	Single results	68	67		
29	Average of the single results	72	64		
		68			
	<u>Smoke temperature</u>				
30	Max. of average	153			
31	Time <sup>1)</sup>	310			

Note: 1)time from start of testing

2) Normal Flammability Test according to DIN 4102-1 Clause 6.2

Flame application: bottom edge ignition

Specimen No.		1	2	3	4	5
Reaching the measuring mark within 20 seconds	Warp	NO	NO	NO	NO	NO
	Weft	NO	NO	NO	NO	NO

Flame application: surface ignition

Specimen No.		1	2	3	4	5
Reaching the measuring mark within 20 seconds	Warp	NO	NO	NO	NO	NO
	Weft	NO	NO	NO	NO	NO

All timings are from start of testing

### Criteria for classification for Class B1 (DIN 4102-1 Clause 6.1.2)

All materials, except flooring, may be classed as B1 materials if they met,

a) Pass DIN 4102-16 "brandschacht" test if

1) The mean value for the residual length of each specimen is at least 15 cm, and no individual values are lower than 0 cm;

2) The mean effluent temperature does not exceed 200°C in any test;

3) The requirement for the residual length of each specimen is met even where there is afterflame, afterglow, or smouldering.

b) Pass DIN 4102-1 Clause 6.2.3 Ignitability Test if,

For each specimen, flaming doesn't reach the gage mark within 20s after flame application.

### Conclusion:

The tested sample meets the low flammability requirements of class B1 of building materials under DIN 4102-1:1998.



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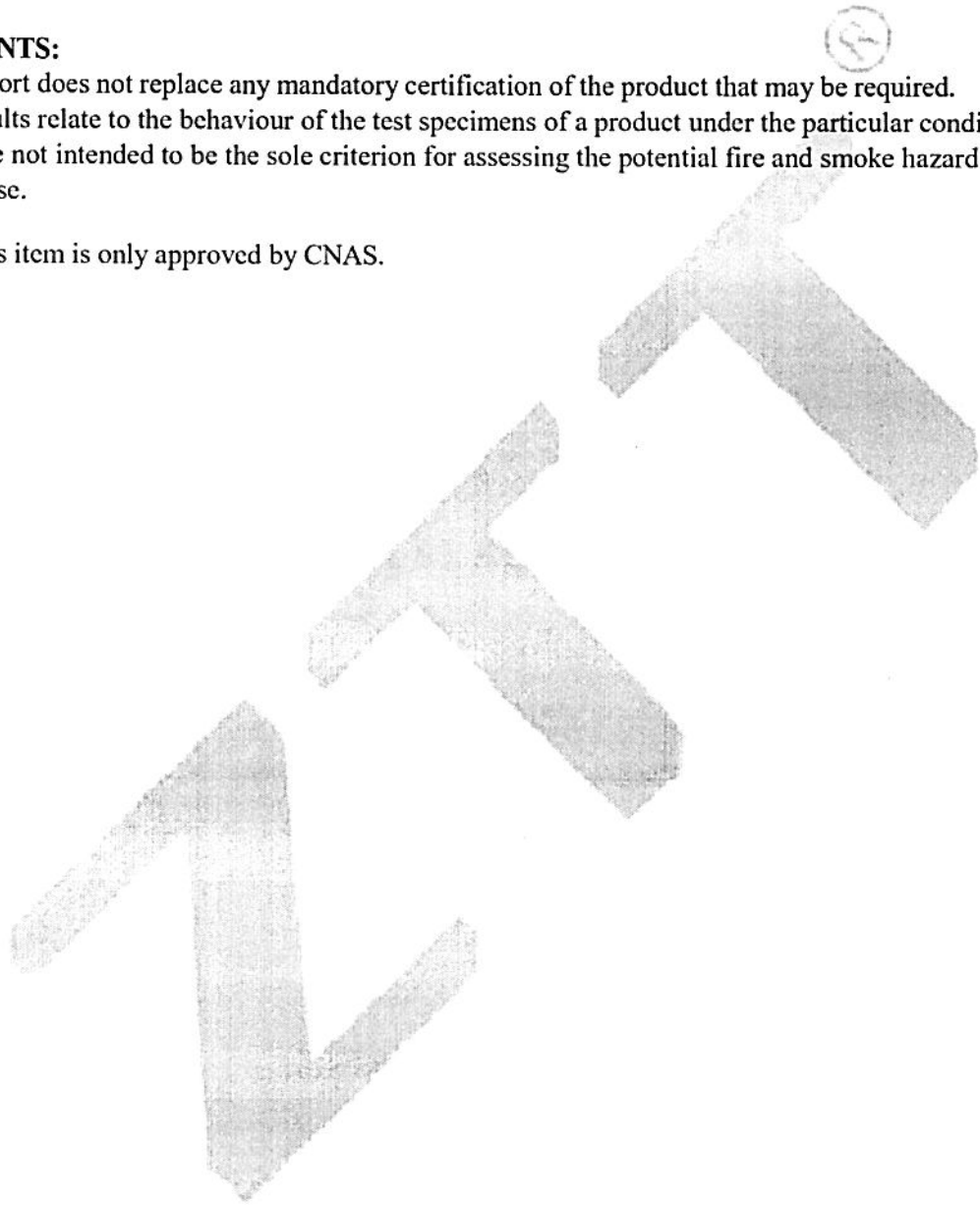
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### STATEMENTS:

This test report does not replace any mandatory certification of the product that may be required. The test results relate to the behaviour of the test specimens of a product under the particular conditions of the test; they are not intended to be the sole criterion for assessing the potential fire and smoke hazard of the product in use.

Remark: This item is only approved by CNAS.



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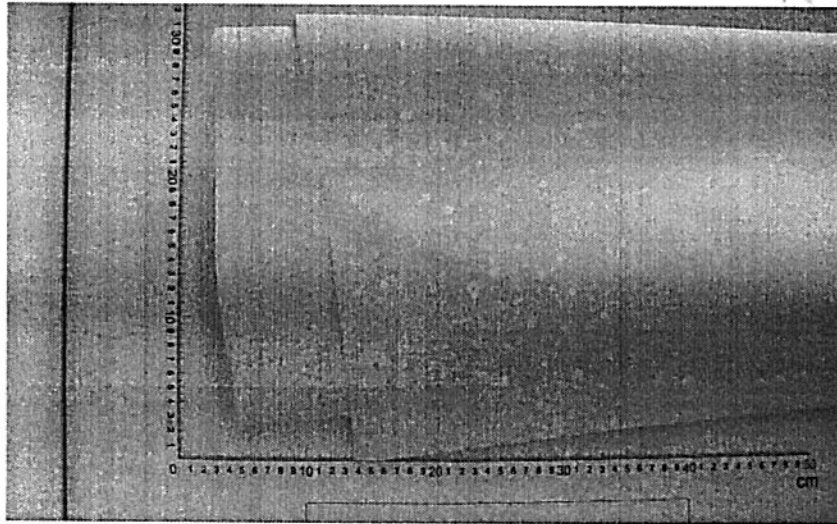
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**Sample Photo**



\*\*\*\*\* End of Report \*\*\*\*\*

浙江中天纺织检测有限公司

