



Tex 230 Display Fabric FR B1

Tessuto **100% GREEN** in poliestere (PET) 230gr, bianco opaco. Flame Retardant DIN 4102 Classe B1.

1 Composizione

Supporto	Tessuto 100% PET 230gr
----------	------------------------

2 Dimensioni Standard

Altezza (cm)	Lunghezza (mtl)
160 - 320	50

3 Applicazioni

Ideale per display ed espositori in genere. La sua struttura tesa e **antipiega** ma anche soffice e liscia al tatto, lo rende **coprente nonostante la sua leggerezza** e permette sia di riutilizzarlo una volta piegato che di trasportarlo facilmente.
TAGLIO A FREDDO. Occhiellabile e cucibile, non saldabile.

4 Conservazione

Conservato in ambiente idoneo ad una temperatura di $\pm 23^{\circ}\text{C}$ (73°F) e 50% di umidità relativa il prodotto mantiene inalterate le sue caratteristiche per 36 mesi.

5 Stampabilità

Adatta per la realizzazione di stampati in **sublimazione diretta e indiretta / Latex**.

6 Sicurezza e Smaltimento

Catalogabile come “rifiuto speciale industriale non pericoloso” pertanto smaltibile in discariche controllate o in inceneritori per solidi urbani.

7 Caratteristiche Fisiche

Variabile	Unità di misura	Valore medio	Metodi - Note
Peso	gr/mq	230 ± 5	DIN EN ISO 2286-2, ASTM D751
Yarn Dtex	dtex	83 x 55 x 55	DIN EN ISO 2060, ASTM D1907
Restringimento	% (190°C, 1min)	≤ 2	/
Oscuramento	%	55 ± 3	ANSI PH2.19, ISO 5/2
Flame Retardand	/	SI (Classe B1)	DIN 4102-1-B1, NFPA 701 Test1
Temperatura di fissaggio	°C	190-210 (1-2min)	/
Temperatura di trasferimento	°C	190-210 (1-2min)	/
Temperatura ingiallimento	°C	≥ 210	SUPRKC REX-C400, 30s

Tutte le informazioni incluse sono basate sui risultati ottenuti da prove di laboratorio e costituiscono il meglio delle nostre attuali conoscenze, tuttavia non costituiscono garanzia e non sono legalmente vincolanti. Data la grande diversità di usi possibili l'utilizzatore deve esaminare attentamente le performance del prodotto per ciascun utilizzo e se ne assume tutti i rischi relativi, si raccomanda quindi di testare la compatibilità del prodotto con il substrato da utilizzare e analizzare l'uso che se ne vuole fare, il venditore non sarà responsabile di danni causati da un utilizzo non idoneo. Per gli aggiornamenti delle caratteristiche tecniche vi preghiamo di fare riferimento alle specifiche pubblicate sul nostro sito www.printjet.biz

OMISSIS

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

OMISSIS

Test Requested:

To determine the flammability (building materials class B1) in accordance with DIN 4102-1 (May 1998) Fire behaviour of building materials and elements Part 1: Classification of building materials, Requirements and testing

Test Results: -- See attached sheet --

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

Test Period:

Sample Receiving Date : MAR.21, 2016

Test Performing Date : MAR.21, 2016 TO APR.05, 2016

Signed for and on behalf of
SGS-CSTC Co., Ltd. Anji Branch



Allen Zou
Technical Manager



SGS-CSTC Standards Technical Service Co., Ltd.
Anji Branch Plant and Textiles Laboratory

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 83071443, or email: CN.Doccheck@sgs.com

No. 301, Sunlight Road, 2 Block, Sunlight Industry Zone, Anji County, Zhejiang Province, China 313300 t (86-572) 5018825 f (86-572) 5018829 www.sgsgroup.com.cn
中国·浙江·安吉县阳光工业园二区阳光大道301号 邮编: 313300 t (86-572) 5018825 f (86-572) 5018829 e sgs.china@sgs.com

Test Report

No. AJHL1603002391FB

Date: APR.06, 2016

Page 2 of 5

I. Test conducted

This test was conducted as per DIN 4102-15:1990 DIN 4102-16:1998 and DIN 4102-1:1998 Clause 6.2.

Classification in according to DIN 4102-1 (May 1998) Clause 6.1-Class B1 materials.

II. Sample details

Name	OMISSIS
Color / Density	White / 255g/m ²
Size of sample	1000mm×190mm & 190mm×90mm

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 %.

III. Test results

1) "Brandschacht" Test according to DIN 4102-15 & 16

Exposed surface: The front face

Results of "Brandschacht" Test (part 1)				
Line No.	Unit	Test assemblies No.		
		Lengthwise	Widthwise	
1	Specimen fixings according to DIN 4102 part 15, table	/	1	1
2	Max. flame height above lower sample edge;	cm	40	40
3	Time ¹⁾	min:s	0:22	0:17
4	<u>Melting/burning through</u> Time ¹⁾	min:s	0:05	0:06
5	<u>Back of specimen</u> Flaming/glowing, Time ¹⁾	min:s	0:06	0:08
6	Discolouring, Time ¹⁾	min:s	0:03	0:04
7	<u>Burning droplets</u> Begin 1)	min:s	0:18	0:15
8	<u>Amount</u> Specimen material falling off in separate droplets	✓	✓	✓
9	Specimen material falling off continuously			

To be continued...

Results of "Brandschacht" Test (part 2)			
Line No.	Unit	Test assemblies No.	
		Lengthwise	Widthwise
	<u>Burning parts</u>	No	No
10	Begin 1)	/	/
11	Parts of sample falling off separately	/	/
12	Parts of sample falling off continuously	/	/
13	Duration of continued combustion on mesh base (max.)	No	No
	<u>Burner flame impairment by dripping/falling material</u>	No	No
14	Time ¹⁾	/	/
	<u>Premature ending of test</u>	/	/
15	End of burning at specimen ¹⁾	/	/
16	Time when test terminated (if applicable) ¹⁾	/	/
	<u>Burning after end of test</u>	No	No
17	Duration	/	/
18	Number of specimens	/	/
19	Front of specimen	/	/
20	Back of specimen	/	/
21	Height of flame	/	/
	<u>Glowing after end of test</u>	No	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	/	/

To be continued...

Results of "Brandschacht" Test (part 3)					
Line No.	Unit	Test assemblies No.			
		Lengthwise		Widthwise	
	<u>Residual length</u>				
28	Single results	cm	65	64	54
			63	62	60
29	Average of the single results	cm	63.5		58.5
	<u>Smoke temperature</u>				
30	Max. of average	°C	161.3		160.2
31	Time ¹⁾	min:s	08:11		07:52

Note: ¹⁾ time from start of testing

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

Flame application: [☒] bottom edge ignition, [] surface ignition

[☒] Lengthwise (if applicable)

Specimen No.	1	2	3	4	5
Reaching the measuring mark within 20 seconds	No	No	No	No	No
Self extinguishing of the flame (s)	15	15	15	15	15
Max. flame height (cm)	2	3	2	3	3
End of afterflaming (s)	15	15	15	15	15
End of afterglowing (s)	15	15	15	15	15
Molten dripping	No	No	No	No	No
Smoke developments (visual impression)	Slight				

[☒] Widthwise (if applicable)

Specimen No.	1	2	3	4	5
Reaching the measuring mark within 20 seconds	No	No	No	No	No
Self extinguishing of the flame (s)	15	15	15	15	15
Max. flame height (cm)	3	3	2	2	3
End of afterflaming (s)	15	15	15	15	15
End of afterglowing (s)	15	15	15	15	15
Molten dripping	No	No	No	No	No
Smoke developments (visual impression)	Slight				

To be continued...



This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

No. 301, Sunlight Road, 2 Block, Sunlight Industry Zone, Anji County, Zhejiang Province, China 313300 t (86-572) 5018825 f (86-572) 5018829 www.sgs.com.cn
中国·浙江·安吉县阳光工业园二区阳光大道301号 邮编: 313300 t (86-572) 5018825 f (86-572) 5018829 e sgs.china@sgs.com

Test Report

No. AJHL1603002391FB

Date: APR.06, 2016

Page 5 of 5

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,

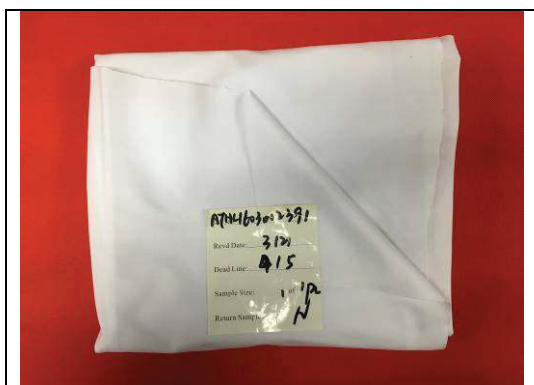
For each specimen, flaming doesn't reach the gage mark within 20s after flame application.

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.

Photo Appendix:



SGS authenticate the photo on original report only

End of Report