Tex 230 Display Fabric FR B1

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

❶ Composizione

Supporto	Tessuto 100% PET 230gr

❷ Dimensioni Standard

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

❸ 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.

❹ Conservazione

Conservato in ambiente idoneo ad una temperatura di ± 23°C (73°F) e 50% di umidità relativa il prodotto mantiene inalterate le sue caratteristiche per 36 mesi.

❺ Stampabilità

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

❻ Sicurezza e Smaltimento

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

❼ 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

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

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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 ℃, 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
	Melting/burning through			
4	Time [1)]	min:s	0:05	0:06
	Back of specimen			
5	Flaming/glowing, Time [1)]	min:s	0:06	0:08
6	Discolouring, Time [1)]	min:s	0:03	0:04
	Burning droplets			
7	Begin 1)	min:s	0:18	0:15
	Amount			
8	Specimen material falling off in separate droplets		√	√
9	Specimen material falling off continuously			

To be continued…

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

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Results of "Brandschacht" Test (part 3)						
Line No.		Unit	Test assemblies No.			
			Lengthwise		Widthwise	
	Residual length					
28	Single results	cm	65	64	54	58
			63	62	60	62
29	Average of the single results	cm	63.5		58.5	
	Smoke temperature					
30	Max. of average	℃	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…

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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℃ 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,

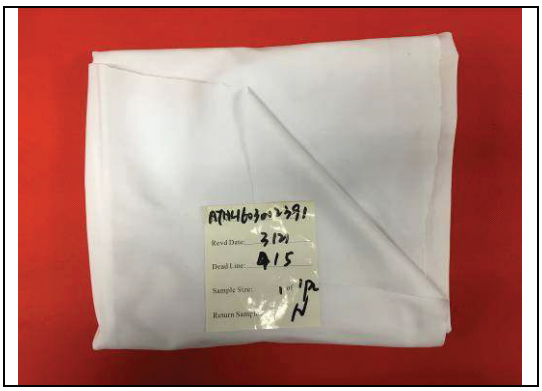
For each specimen, flaming doesn’t reach the gage mark within 20s after flame application.

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

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