

HANGZHOU ROLAND INDUSTRY CO., LTD
HUANGLIYANG INDUSTRY AREA, QIANTAN TOWN, JIANGDE

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

Sample Description : One knitted blanket in sky blue
Sample Receiving Date : Nov 12, 2015
Test Performing Period : Nov 12, 2015 - Nov 20, 2015
Test Performed : Selected tests as requested by applicant against Client's performance standard.

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Test Result(s) : Please refer to the next page(s).

Signed for and on behalf of
SGS-CSTC Standards Technical
Services Co., Ltd. Hangzhou Branch

Rainer Lu (Account Executive)



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Test Result:

Flammability

Test Requested:

To determine the ignitability of the sample according to:

1. ISO 12952-1:2010: Textiles - Assessment of the ignitability of bedding items - Part 1: Ignition source: smouldering cigarette.
2. ISO 12952-2:2010: Textiles - Assessment of the ignitability of bedding items - Part 2: Ignition source: match-flame equivalent.

II. Sample Details

Materials / Color	Fabric / Sky blue
Size of sample	450mm×450mm

Cleaning & Conditioning Procedure

Cleaning procedure details: 5 cycles, ISO 6330:2000, wash program: No.2A, 60 degree C, tumble dry
Prior to testing, the sample was conditioned at least 72 h in an atmosphere having a temperature of $23 \pm 2^\circ\text{C}$
and a relative humidity of $50 \pm 4\%$.

III. Test results

Ignition source positions		a		b	
Test Number		1 st	2 nd	1 st	2 nd
Clause 5.1, 'Progressive smouldering ignition. For the purposes of this European standard, all the following types of behaviour given in (a) to (d) are considered to be progressive smouldering ignition: (a) Any test specimen that displays escalating combustion behaviour, making it unsafe to continue the test, and that requires forcible extinction; (b) Any test specimen that smoulders until it is essentially consumed, after a period of 1 h following the application of the smouldering cigarette;					
No	No	No	No	No	No
No	No	No	No	No	No

[illegible]

(c) Any test specimen that produces externally detectable amounts of smoke, heat or glowing, after a period of 1 h following the application of the smouldering cigarette;	No	No	No	No	No
	No	No	No	No	No
(d) Any test specimen that, on final examination, shows evidence of smouldering	No	No	No	No	No
Clause 5.2, Flaming ignition. The following behaviour is considered to be flaming ignition:					
The occurrence of any flames initiated by a smouldering cigarette.					

Clause 12, On final examination whether progressive smouldering is observed when dismantle assembly and examine internally.	No	No	No	No
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Test Details:

Cigarette test					
Ignition source positions		a		b	
Progressive smouldering (PS) or Flaming (F)		No	No	No	No
Duration of	Ignition source (min, sec)	21 min 19s	21 min 23s	21 min 20s	21 min 18s
	Flames (min, sec)	0s	0s	0s	0s
	Smoke (min, sec)	21 min 27s	21 min 30s	21 min 28s	21 min 27s
Extent of damage		Length (mm)		68	66
Final examination of progressive smouldering (12)		No	No	No	No
Reason for failure		--	--	--	--
Comments & observations		--	--	--	--
Overall Result (Ignition (I) / Non-ignition (NI))		NI	NI	NI	NI

Remark: a---Two cigarettes in the length direction
b--- Two cigarettes in the width direction

2. Match-flame equivalent test

1. Test conduct

This test was conducted as per ISO 12952-2:2010: Assessment of the ignitability of bedding items - Part 2:
Ignition source: match-flame equivalent.

II. Sample Details

Materials / Color	Fabric / Sky blue
Size of sample	450mm×450mm

Cleaning & Conditioning Procedure:

Cleaning procedure details: 5 cycles, ISO 6330:2000, wash program: No.2A, 60 degree C, tumble dry





Test Report

No. HZSL1511091529TX

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Test Details:

Match-flame equivalent test		Ignition source positions	
Test Number		1 st	2 nd
Progressive smouldering (PS) or Flaming (F)		NO	NO
Duration of	Ignition source (min, sec)	15s	15s
	Flames (min, sec)	0s	0s
	Smoke (min, sec)	12s	10s
	Extent of damage	Length (mm) 20	Length (mm) 19
		Width (mm) 18	Width (mm) 16
Final examination of progressive smouldering (12)		NO	NO
Reason for failure		--	--
Comments & observations		--	--
Overall Result (Ignition (I) / Non-ignition (NI))		NI	NI

Remark: c----On top the test specimen

STATEMENTS:

The test results relate only to the ignitability of the tested bedding item under the particular condition of test; they are not intended as a means of assessing the full potential fire hazard of the item in use.

^This test was carried out by SGS A.J. Laboratory

*** End of Report ***



