

Test Report

No. AJHL1603002199FB

Date: MAR.24, 2016

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NINGBO MATTHEW SYNTHETIC LEATHER CO., LTD

613 JINDU INT'L, NO.345, (SOUTH) HUANCHENG RD. WEST, NINGBO CHINA

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

Sample Description: ECO PU B074-1.0MM**Color:** BLACK**Thickness:** 1.0MM**Country of Destination:** EUROPE/US**End Use Application:** UPHOLSTERY/FURNITURE**Test Requested:**

The Furniture and Furnishings (Fire) (Safety) Regulations 1988 S.I. No.1324 (amended 1989,1993 and 2010), Schedule 4, Part I, Cigarette test for cover fabrics.

The Furniture and Furnishings (Fire) (Safety) Regulations 1988. S.I. No.1324 (amended 1989, 1993 and 2010), Schedule 5, Part I, Match test for cover fabrics.

As specified in above standard(s) and incorporated with using ignition source 0 and 1 of BS 5852: Part 1:1979.

Test Results: -- See attached sheet --**Conclusion:** The tested Sample **Meets** the Requirements of Schedule 4 Part I and Schedule 5 Part I in Statutory Instrument 1988 No.1324 (Amended 1989, 1993 and 2010) the Furniture and Furnishings (Fire) (Safety) Regulations.**Test Period:**

Sample Receiving Date : MAR.17, 2016

Test Performing Date : MAR.17, 2016 TO MAR.23, 2016

Signed for and on behalf of
SGS-CSTC Co., Ltd. Anji BranchAllen Zou
Technical Manager

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Test Conducted

The Furniture and Furnishings (Fire) (Safety) Regulations 1988 S.I. No 1324 (amended 1989, 1993 and 2010), Schedule 4 Part I and Schedule 5 Part I, Cigarette test and Match test for cover fabric Smouldering Cigarette (ignition source 0) and Match Ignition (ignition source 1) of BS 5852:1979 Part 1

Conditioning

Prior to testing the sample was,

Cleansed using a water-soak procedure at $40 \pm 1^\circ\text{C}$ as described in BS 5651:1978 and modified by this Regulations 1988 S.I. No 1324 (amended 1989, 1993 and 2010) Schedule 4 Part I and Schedule 5 Part I.

And then dried and conditioned at least 72 h in indoor ambient conditions and 16 hours in an atmosphere having a temperature of $20 \pm 5^\circ\text{C}$ and a relative humidity of $50 \pm 20\%$.

At time of testing: Temperature between 15°C ~ 30°C and Relative humidity between 20% ~ 70%

Test results

The following test results only to the ignitability of the combination of materials under the particular condition of test. They are not intended as a means of assessing the full potential fire hazard of the materials or products in use.

(A) Smouldering Cigarette test Criteria	1 st	2 nd
Clause 9.2.3 Whether the evidence of progressive smouldering or flaming is observed in the interior and/or cover	NO	NO
Clause 9.2.4 Whether progressive smouldering or flaming of the sample is observed at any time within one hour of placement of the cigarette	NO	NO
Clause 9.2.5 Whether progressive smouldering is observed on final examination when dismantle assembly and examine internally	NO	NO
(B) Butane Flame test Criteria	1 st	2 nd
Clause 9.3.4 Whether the evidence of flaming or progressive smouldering in the interior and/or cover is observed beyond 120s of the removal of the burner tube	NO	NO
Clause 9.4 On final examination whether progressive smouldering is observed when dismantle assembly and examine internally	NO	NO

To be continued....

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Test Details

Cigarette Test			
Specimen No.		1 st	2 nd
Ignition (I) / Did not ignite (DNI) / Ignite but extinguished (IBE) / Surface flash burn (SFB)		DNI	DNI
Progressive smouldering (PS) or Flaming (F)		NO	NO
Duration of	Ignition source (min, sec)	21min19s	21min22s
	Flames (min, sec)	0s	0s
	Smoke (min, sec)	21min27s	21min31s
Final examination of progressive smouldering (9.4)		NO	NO
Reason for failure (Ref to failure code)		--	--
Comments & observations		--	--
Overall Result		PASS	PASS

Match Test			
Specimen No.		1 st	2 nd
Ignition (I) / Did not ignite (DNI) / Ignite but extinguished (IBE) / Surface flash burn (SFB)		IBE	IBE
Progressive smouldering (PS) or Flaming (F)		NO	NO
Duration of	Ignition source (19-21 sec)	20s	20s
	Flames (min, sec)	1min23s	1min04s
	Smoke (min, sec)	1min32s	1min16s
Final examination of progressive smouldering (9.4)		NO	NO
Reason for failure (Ref to failure code)		--	--
Comments & observations		--	--
Overall Result		PASS	PASS

Statements: The submitted sample was tested in combination with standard worst case scenario non-flame retardant conventional polyurethane foam as specified in the Regulations.

To be continued....



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Photo Appendix:

Details of sample:

Color: Black

This PU sample of approximate density of 585g/m².



SGS authenticate the photo on original report only

*** End of Report ***