Test Report Number: SHAH01656503

Applicant: [redacted] Date: 04 Feb, 2024

Attn: STAR GAO

Sample Description:
One (1) group of submitted sample said to be :

Item Name	:	Fusion
Quantity	:	1
Packaging Provided By Applicant	:	Yes
Country Of Origin	:	China

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Tests Conducted:

As requested by the applicant, for details refer to attached page(s).

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Conclusion:

Tested Samples	Standard	Result
Submitted samples	The Requirement of Schedule 5 Part I of The Furniture and Furnishings (Fire) (Safety) Regulations 1988 (as amended in 1989,1993 and 2010)	Pass
Submitted samples	The Requirement of Schedule 4 Part I of The Furniture and Furnishings (Fire) (Safety) Regulations 1988 (as amended in 1989,1993 and 2010)	Pass

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To be continued

Authorized By:
Intertek Testing Services Ltd. Zhejiang

Bobo Yao
Assistant General Manager

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Tests Conducted

1. Flammability Test (BS 5852 Part 1:1979, Match Test):

The test, specified in schedule 5 Part I of The Furniture and Furnishings (Fire) (Safety) Regulations 1988 (as amended in 1989,1993 and 2010), is based on BS 5852 part 1:1979 using ignition source 1 - match test for 20 seconds.
To assess the ignitability of visible cover with standard filling material used in upholstered components when subjected to ignition flame.
The following test results relate only to the ignitability of the combination of material under the particular conditions of test; they are not intended as a means of assessing the full potential fire hazard of the materials in use.
Conditioning : 72 hours indoor ambient and at least 16 hours of 20±5°C, 50±20% relative humidity.
Testing Atmosphere : 15-30°C, 20-70% relative humidity
Flame Retardant Finishing Of Visible Cover : Yes
Soaking Condition : Clause 4.2-4.5 of BS 5651:1978 As Modified By The Furniture and Furnishings (Fire) (Satety) Regulations 1988, 30 minutes at 40°C, Line Dry.
Performance Requirement : Clause 9 of BS 5852 part 1:1979
Test Result:

Progressive Smouldering Failure	1st Test	Retest
(A) Evidence of progressive smouldering in the interior and/or cover after 120 seconds of the removal of burner tube.	No	No
(B) On final examination progressive smouldering is observed on the assembly dismantle and examined it internally.		No
Flaming Failure		
(A) Evidence of flaming in the interior and/or cover after 120 seconds of the removal of burner tube.	No	No

Fabric	Ignition Source	Time To Extinction After Removal Of Burner			
		Flaming Ceased Time		Smoking Ceased Time	
		Min	Sec	Min	Sec
1	1	0	1	0	19
Retest	1	0	1	0	17

Remark :Yes = Was observed
No = Was not observed
N/A = Not applicable
* = Test suspended due to safety reasons caused by excessive flame

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2. Flammability Test (BS 5852:Part 1:1979, Cigarette Test):

The Test, Specified In Schedule 4 Part I Of The Furniture And Furnishing (Fire) (Safety) Regulations 1988 (As Amended In 1989, 1993 And 2010), Is Based On BS 5852 Part 1:1979 Using Ignition Source - Cigarette.
To Assess The Ignitability Of Visible Cover With Standard Filling Material Used In Upholstered Components When Subjected To A Smouldering Cigarette.
The Following Test Results Relate Only To The Ignitability Of The Combination Of Materials Under The Particular Conditions Of Test; They Are Not Intended As A Means Of Assessing The Full Potential Fire Hazard Of The Materials In Use.
Conditioning : 72 hours Indoor Ambient And At Least 16 hours Of 20±5°C, 50±20% Relative Humidity.
Testing Atmosphere : 15-30°C, 20-70% Relative Humidity
Flame Retardant Finishing Of Visible Cover : Yes
Soaking Condition : Clause 4.2-4.5 of BS 5651:1978 As Modified By The Furniture and Furnishings (Fire) (Satety) Regulations 1988, 30 minutes at 40°C, Line Dry.
Performance Requirement : Clause 9 Of BS 5852 Part 1:1979

Test Result:

Progressive Smoldering Failure		1st Test	Retest
(A)	Evidence Of Progressive Smouldering In The Interior And/Or Cover During Combustion.	No	No
(B)	Progressive Smouldering Of The Upholstery Components Is Observed At Any Time Within A Period Of One Hour Of The Placement Of The Cigarette;	No	No
(C)	On Final Examination Progressive Smouldering Is Observed On The Assembly Dismantle And Examined It Internally.		No
Flaming Failure			
(A)	Evidence Of Flaming In The Interior And/Or Cover During Combustion;	No	No
(B)	Flaming Of The Upholstery Components Is Observed At Any Time Within A Period Of One Hour Of The Placement Of The Cigarette.	No	No

Fabric/ Standard Filling	Ignition Source	Time To Extinction After Placement Of Ignition Source			
		Flaming Ceased Time		Smoking Ceased Time	
		min	sec	min	sec
1	0	-	-	17	30
Retest	0	-	-	17	35

Remark :Yes = Was observed
No = Was not observed
N/A = Not applicable
* = Test suspended due to safety reasons caused by excessive smoke
The fabric was tested with non fire-retardant polyurethane foam type b.
Note : There was insufficient filling material to carry out the cigarette test out over the actual upholstery composite so as suggested by the guide to the furniture regulations the cover fabric was tested for cigarette resistance using standard polyurethane foam (non-modified) as this will give the furniture manufacturer a good indication of its likelihood to pass the cigarette test for the finished article.

Remark: The Cigarette Test Should Be For Complete Upholstery Composite To Be Used In The Furniture. The Test Results Relate Therefore Only To The Conditions Specified, With Using Standard Filling Material For Final Composite.

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Tests Conducted



Picture 1: Submitted Sample

Date Sample Received: Jan 25, 2024
Testing Period: Jan 25, 2024 to Feb 04, 2024

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End Of Report

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