

TECHNICAL REPORT



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Customer information:

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For the attention of Hilmar Carl

Our Ref: CR110721-2

Date: 11/10/2022

Delivery Date: 03/10/2022

Test Dates: 06/10/2022

SAMPLE(S) FOR TEST:



One, Composite – Ref: ASTORIA FR

Note: The above descriptions are as supplied by the client and have not been verified by K-TEX LAB International who can take no responsibility for the accuracy of the description.

TEST REQUIREMENTS :

Schedule 4 Part I (based on EN 1021: 1)
Schedule 5 Part I (based on EN 1021: 2)

RESULTS :

Pass – P0
Pass – P1

The material was subjected to the water soak procedure and line dried as detailed in The Furniture and Furnishings (Fire) (Safety) Regulations 1988, amended 1989, 1993 and 2010.

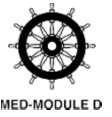
K-TEX LAB Laboratory No. CR110721-2

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When a statement of conformity to a test standard is reported the test result(s) are unlikely to be the "true" result(s) due to measurement uncertainty. When the sample is tested under the criteria and conditions as defined in the method and the measured result is outside of the upper/lower acceptance limit and corrected for uncertainty at 95% probability, the risk of a false accept/reject is $\leq 2.5\%$. These results will be reported as Pass/Fail. If the test result(s) obtained under the same conditions is close to the upper/lower acceptance limit and could be either side of the accept/reject threshold these results will be reported as Fail"



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.

FURNITURE AND FURNISHINGS (FIRE) (SAFETY) REGULATIONS 1988 - AMENDED 1989, 1993 AND 2010 SCHEDULE 4 PART 1 MODIFICATION TO EN 1021: 1 THE CIGARETTE TEST

Initial Inspection: Condition as new.

Conditioning: ≥3 days at indoor ambient conditions and ≥16 hours at 20±5°C & 50±20% rh.

Filling Material: A conventional urethane foam of nominal density 20-22kgm³ Ref: VP45, and an 85g thermally bonded polyester fibre wrap.

Test Procedure: As defined in Schedule 4 Part 1 of the above regulations.

Test Conditions: The test was conducted within the required conditions of 15-30°C & 20-70%rh.

RESULTS

Source No.	Application No.	Smoke/ Smoulder	Result - Ignition/ Non-Ignition
0	1	16min 00Sec	PASS
	2	17min 10Sec	PASS

COMMENTS

SCHEDULE 4 PART 1 MODIFICATION TO EN 1021: 1 THE CIGARETTE TEST	APP 1.	APP 2.
Both cigarettes were fully consumed within the stipulated 1 hour time period, however the cover and filling assembly continued to smoulder for greater than the stipulated 60min time period.	NO - PASS N/I	NO - PASS N/I
Progressive smouldering was established, the rate of smoulder was rapid, and the test was terminated before the stipulated time period.	NO - PASS N/I	NO - PASS N/I
Flames occurred though progressive smouldering, therefore the test was terminated before the stipulated 60min time period as it was deemed unsafe to continue.	NO - PASS N/I	NO - PASS N/I

DESCRIPTION

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.

FURNITURE AND FURNISHINGS (FIRE) (SAFETY) REGULATIONS 1988 - AMENDED 1989, 1993 AND 2010 SCHEDULE 5 PART 1 THE MATCH TEST (BASED ON EN 1021: 2)

Initial Inspection: Condition as new.

Conditioning: ≥3 days at indoor ambient conditions and ≥16 hours at 20±5°C & 50±20% rh.

Test Procedure: As defined in Schedule 5 Part 1 of the above regulations using specified non fire-retardant polyurethane foam 20-22kg/m³.

Test Conditions: The test was conducted within the required conditions of 15-30°C & 20-70%rh.

RESULTS

Source No.	Application No.	Application Time	Flaming Time Following Removal of Source	Smoke/Smoulder	Result - Ignition/Non-Ignition
1	1 2	20sec 20sec	0min 1Sec 0min 1Sec	00min 11sec 00min 12sec	PASS PASS

COMMENTS

SCHEDULE 5 PART 1 THE MATCH TEST BASED ON EN 1021: 2 THE MATCH TEST	APP 1.	APP 2.
After removal of the ignition source the cover fabric melted open to expose the underlying filling material. The cover and filling assembly immediately ignited. The rate of fire development was rapid and the test was terminated before the stipulated 120sec time period as it was unsafe to continue.	NO - PASS N/I	NO - PASS N/I
After removal of the ignition source the cover fabric melted open to expose the underlying filling material. The cover and filling assembly immediately ignited. Flames continued beyond the stipulated 120sec time period.	NO - PASS N/I	NO - PASS N/I
After removal of the ignition source the cover fabric ignited, flames spread across the surface of the cover, leaving behind an intact char. The cover continued to burn for greater than the stipulated 120sec time period.	NO - PASS N/I	NO - PASS N/I
After removal of the ignition source the cover ignited, the cover char split and the underlying filling material ignited, the cover and filling assembly continued to burn for greater than the stipulated 120sec time period.	NO - PASS N/I	NO - PASS N/I
All flames ceased within the permitted 120sec, the test assembly continued to smoulder for greater than the stipulated 15min time period.	NO - PASS N/I	NO - PASS N/I

CONCLUSION

END OF TEST REPORT