

TECHNICAL REPORT



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Our Ref: **TFFLF33440**

Date: 04 May 2010

Delivery Date: 26 April 2010

Test Dates: 29 – 30 April 2010

For the attention of Mr Mark Nesbit

SAMPLE(S) FOR TEST:

One, Preserved palm leaves – no reference supplied

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

TEST REQUIREMENTS :

BS EN 1021-1: 2006 (smouldering cigarette)
BS EN 1021-2: 2006 (match flame equivalent)
BS 5852: 2006, Clause 12 Ignition Source 5

RESULT :

Pass
Pass
Pass (Indicative)

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DESCRIPTION

Enquiry No: TFFLF33440

Item: One, Preserved palm leaves – no reference supplied

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.

TEST RESULTS

BS EN 1021-1: 2006: ASSESSMENT OF THE IGNITABILITY OF UPHOLSTERED FURNITURE PART 1 IGNITION SOURCE: SMOULDERING CIGARETTE

Initial Inspection: Condition as new

Conditioning: ≥ 24 hours at $23 \pm 2^\circ\text{C}$ & $50 \pm 5\%$ rh

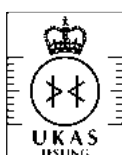
Test conditions: 20°C & 42% rh

Filling material: As supplied

TEST RESULTS: SMOULDERING CIGARETTE	1st	2nd
Smouldering Criteria:		
Unsafe escalating combustion (3.1a)	NO	NO
Test assembly consumed (3.1b)	NO	NO
Smoulders to extremities (3.1c)	NO	NO
Smoulders through thickness (3.1c)	NO	NO
Smoulders more than 1 hour (3.1d)	NO	NO
More than 100mm's from source (3.1e)	NO	NO
Flaming Criteria:		
Flames occur (3.2)	NO	NO

CONCLUSION

This sample passes the requirements of BS EN 1021-1: 2006.



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BS EN 1021-2: 2006: ASSESSMENT OF THE IGNITABILITY OF UPHOLSTERED FURNITURE PART 2 IGNITION SOURCE: MATCH FLAME EQUIVALENT

Item: One, Preserved palm leaves – no reference supplied

Initial Inspection: Condition as new

Conditioning: ≥ 24 hours at $23 \pm 2^\circ\text{C}$ & $50 \pm 5\%$ rh

Test conditions: 20°C & 42% rh

Filling material: As supplied

TEST RESULTS: MATCH FLAM EQUIVALENT		1st	2nd	3rd
Smouldering Criteria:				
Unsafe escalating combustion (3.1a)		NO	NO	NO
Test assembly consumed (3.1b)		NO	NO	NO
Smoulders to extremities (3.1c)		NO	NO	NO
Smoulder through thickness (3.1c)		NO	NO	NO
Smoulders more than 1 hour (3.1d)		NO	NO	NO
More than 100mm from source (3.1e)		NO	NO	NO
Flaming Criteria:				
Unsafe escalating combustion (3.2a)		NO	NO	NO
Test assembly consumed (3.2b)		NO	NO	NO
Flames to extremities (3.2c)		NO	NO	NO
Flames through thickness (3.2c)		NO	NO	NO
Flames continues beyond 120secs (3.2d)		NO	NO	NO

CONCLUSION

This sample passes the requirements of BS EN 1021-2: 2006.



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INDICATIVE TEST BASED ON IGNITABILITY TEST ACCORDING TO BS 5852: 2006 – METHODS OF THE TEST FOR ASSESSMENT OF THE IGNITABILITY OF UPHOLSTERED SEATING BY SMOULDERING AND FLAMING IGNITION SOURCES. CLAUSE 12

Item: One, Preserved palm leaves – no reference supplied

Initial Inspection: Condition as new

Conditioning: ≥ 4 days at $20 \pm 5^\circ\text{C}$ & $50 \pm 20\%$ rh

Test conditions: 20°C & 42% rh

Ignition Source		Ignition/ Non-Ignition	Duration of		
			Ignition Source	Flames	Smoke/ Smoulder
5	1	PASS (N/I)	3min 14sec	5min 30sec	8min 30sec

This sample passes the indicative test based on the requirements of BS 5852: 2006 Clause 12, Ignition source 5.

Tested by: Barry Worrell

Reported & Approved by: Stephen Cotton
Technical Specialist - Flammability

