Test Certificate 104047					
Report Details					
Report Number 104	Service Requested	BS 7176: 200	8+A1:2011 - Medium Hazard + Watersoak		
Date Received 06-J	Jan-23 Date Tested	11-Jan-23 Date Issued	1 2-Jan-23		
Customer Details					
Company Name	SMD CONTRACTS				
Customer Contact		Comp	any Address	UNIT F2, PITTMAN WAY	
Customer Ref/PO				FULWOOD	
				LANCASHIRE	
				PR2 9ZD	
Customer Details - As S	Supplied by the Custom	er			
Sample Description	APOLLO				
Fibre Composition	ТВС				
/					
Quality/Batch Ref					
Colour					
Sample End Use	CONTRACT UPHOLSTE	RY			
Model Ref	Manufacturer				
			Supplier / Buyer SMD HOLDINGS LTD		

Specification:

BS 7176:2007+A1:2011 – Specification for the resistance to ignition of upholstered furniture for non-domestic seating by testing composites. (Medium Hazard)

Test Methods:

BS EN 1021-1:2006 – Furniture – Assessment of the ignitibility of upholstered furniture. Part 1: Ignition source smouldering cigarette.

BS EN 1021-2:2006 – Furniture – Assessment of the ignitibility of upholstered furniture. Part 2: Ignition source match flame equivalent.

BS 5852:2006 Clause 11 Source 5 – Methods of test for the assessment of the ignitibility of upholstered seating by smouldering and flaming ignition sources

Pre-Treatment:

The sample has been subjected to the water soaking procedure in accordance with Annex D of EN 1021:20065 and Annex E of BS 5852:2006 then line dried in ambient conditions.

Conditioning:

The sample was conditioned for 72 hrs in ambient conditions then for at least 24 hrs in a specified atmosphere at 23 ± 2C and 50 ± 5% r h.

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Test Results

The Following test results relate only to the ignitibility of the combination of the 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.

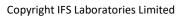
Test Type 102:	1-1	Test 1	Test 2
Filling Material Used:		GM33-35	GM33-35
*Cigarette ceased smouldering within [mi	ins]:	22	22
Progressive Smouldering Criteria			
3.1A: Unsafe escalating combustion:			
3.1B: Smoulders to extremities:			
3.1C: Smoulders through thickness:			
*3.1D: Smoulders for more than 1 hour:			
Evidence of melting / charing / dripping:			
3.1E: Presence of active smouldering on f	inal examination:		
Flaming Criteria			
Cover Split		✓	
Occurrence of flames:			

Test Result

PASS

PASS

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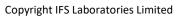


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Test Type	1021-2	Test 1	Test 2	Test 3
Filling Material Used:		GM33-35	GM33-35	GM33-35
*Flaming Ceased: [Seconds]:		0:00	0:00	0:00
Progressive Smouldering	g Criteria			
3.1A: Unsafe escalating combu	ustion:			
3.1B: Smoulders to extremitie	s:			
3.1C: Smoulders through thick	mess:			
*3.1D: Smoulders for more that	an 1 hour:			
Evidence of melting / charing	/ dripping:			
Flaming Criteria				
Cover Split				
3.2A: Unsafe escalating combi	ustion:			
3.2B: Test assembly consumed	d:			
3.2C: Flaming to extremities:				
3.2D: Flaming through thickne	ess:			
*Flaming continued for more t	then 120 seconds:			
Test Result		PASS	PASS	PASS

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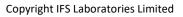
Test Certificate 104047

Test Results

The Following test results relate only to the ignitibility of the combination of the 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 Criteria - BS 5852:2006 Source 5	Initial Test	Repeat Test	
*Smoundering Ceased Within: [mins]			
Progressive Smouldering Criteria			
Filling Material Used:	GM33-35	GM33-35	
4.1.1A: Displays unsafe escalating smouldering combustion, requires to be forcibly extinguished?			
4.1.1C: Any test specimen that smoulders until it is essentially consumed			
*4.1.1E: Detectable amounts of smoke, heat or glowing 60 mins after crib ignition?			
4.1.1F: On final inspection, any evidence of charring more than 100 mm in any direction (apart from upwards) from the original nearest position?			
Flaming Criteria			
*Flaming Ceased: [mm:ss]	3.12	3.54	
4.2.1A: Displays unsafe escalating flaming combustion, requires to be forcibly extinguished?			
4.2.1B: Any test specimen that burns until it is essentially consumed within the test duration and requires forcibly extinguishing			
4.2.1C: Flame front reaches the lower margin, either side or passes through the full thickness?			
*4.2.1E: Flaming continued for more than 10 minutes after the ignition of the crib?			
*4.2.1G: Any test specimen from which flaming debris causes an isolated floor fire that continues to flame for longer then 10 mins?			
Test Result	PASS	PASS	

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Overall Result: PASS

The sample supplied meets the test criteria of BS 7176:2007 + A1:2011 (Medium Hazard)

Authorised Signature:

Zeb Alam Operations Director

The uncertainty of measurement is taken into account when stating conformance to the specification. The test results are compared with the acceptance limits which are determined by reducing the specification limit by the expanded test uncertainty Uk=2 (approximately 95% confidence interval) and providing all measured values are within the tolerance limits then such results are declared as "Pass". The Uncertainty budgets are stated for each test method and should be considered when results are on or close to the acceptance limits, and in such cases it should be noted that the risk of false acceptance or false rejection is <2.5%. All test results issued on this report refer only to the item under test as supplied by the customer.

END OF REPORT

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