

FLAMMABILITY TEST REPORT

Report No.: LEI21020565A **Date Received:** 04/02/21 **Date Tested:** 10/02/21 **Date Issued:** 10/02/21

Company Name & Address: NEXGEN FABRICS PVT LTD
C 26, SECTOR 13
VASUNDHARA
GHAZIABAD
201012

Contact Name: PRAVEEN JAIN

Sample Details

Order no.: Email/ 24/11/2020
Sample Description: Fabric for seating & drape
Ref. / Style No.: 2. Fabric LINING PLAIN SH-04
Colour: Not stated
Quality: 100% Polyester & PVC
Supplier: Not stated
Batch no.: Not stated
End Use: Seating & Drape
No. Of Samples: 3
Quoted Fibre composition: Not stated
Sample description: Blue coloured woven fabric

Test Method	Pre Treatment	Requirement	Result
BS 5852:2006 Clause 11 (upholstery composite) Ignition source 5	None	As BS 5852:2006 Clause 11 (upholstery composite) Ignition source 5	NI/5 (PASS)

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STEVEN OWEN
(Technical & Operational
Excellence Manager)


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ANDREW HALLETT
(Flammability Team Leader)

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CAROLE SPOWART
(Flammability
Administrator)

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Report No.: LEI21020565A Page 1 of 3

FLAMMABILITY TEST REPORT

Test Specification

Test Method: BS 5852:2006 Clause 11 (upholstery composite) Ignition source 5

Foam specification

Supplier / Grade: Carpenter / RX36110
Size: 450 x 450 x 75mm (back) & 450 x 300 x 75mm (seat)
Density / Hardness: 34-38kg/m³ / 94-125N

Uncertainty of Measurement

The uncertainty of measurement has been estimated to be 5.99%

Conditioning

Prior to Testing: At least 72 hours in ambient indoor conditions, then at least 24 hours in an atmosphere having a temperature of 23 ± 2°C and a relative humidity of 50 ± 5%

At Time of Testing: Temperature of 10 °C to 30 °C and a relative humidity of 15 % to 80 %

Test Results

"The following test results relate only to the ignitability of the combination of upholstery composites (BS 5852: 2006, Clause 11) under the particular conditions of test stated; they are not intended as a means of assessing the full potential fire hazard of the materials or products in use";

Test number / position	1	2
Criterion of Ignition		
Smouldering Criteria		
Externally detectable amounts of smoke, heat or glowing 60 minutes after crib ignition	No	No
Escalating smouldering behaviour rendered the test unsafe to continue and required forcible extinction	No	No
Smouldering essentially consumed the test specimen within the duration of the test / Smouldering reached the extremities of the test specimen (Other than the top of the vertical part of the test specimen) within the duration of the test	No	No
Flaming Failure		
The test specimen continued to flame for more than 10 minutes after the ignition of the crib	No	No
Escalating combustion behaviour rendered the test unsafe to continue and required forcible extinction	No	No
Flaming essentially consumed the test specimen within the duration of the test	No	No
Flaming reached the extremities of the test specimen (Other than the top of the vertical part of the test specimen) within the duration of the test	No	No
Debris from the test specimen caused an isolated floor fire that continued to flame for more than 10 minutes after the ignition of the crib	No	No
Final Examination		
Progressive smouldering was observed when the sample was dismantled	No	No
Evidence of charring within the filling (other than discolouration) more than 100mm in any direction, apart from upwards, from the nearest part of the original position of the ignition source	No	No
Time to extinction of flames after crib ignition	4 Minutes 36 Seconds	5 Minutes 19 Seconds
Time to extinction of glowing after crib ignition	8 Minutes 17 Seconds	6 Minutes 46 Seconds
Time to extinction of smoke after crib ignition	Due to the amount of smoke in the test enclosure it was not possible to see when smoking ceased	Due to the amount of smoke in the test enclosure it was not possible to see when smoking ceased
Maximum extent of damage to back (mm) Length / Width	400 62	400 63
Maximum extent of damage to base (mm) Length / Width	57 68	72 62
Test Result	NI/5 (PASS)	NI/5 (PASS)
Ignitability performance index: "Clause 11 - NI/5"		

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The reported expanded uncertainty is based on a standard uncertainty multiplied by a coverage factor of $k = 2$, providing a level of confidence of approximately 95 %. Unless otherwise specified all compliance and pass/fail statements are binary simple acceptance based on the tolerance interval and, with the exception of graded methods, a test uncertainty ratio greater (TUR) than 4:1. For graded methods the TUR will drop to as low as 0.5:1 when the tolerance limits are within a grade division of the upper scale limit. The Uncertainty budgets are stated for each Test method, these are for reference, and should be considered when results are on or close to Specification Limits / Requirements and in such cases it should be noted that the risk of false acceptance or rejection may be as high as 50%, for further information please refer to ILAC G8.