

FLAMMABILITY TEST REPORT

Report No.: LEHTX00680550 Date Received: 19/04/13 Date Tested: 25/04/13 Date Issued: 25/04/13

Company Name & Address: MASCOT HØIE AS
BREKSTAD INDUSTRIOMARADE
7130 BREKSTAD
NORWAY

Contact Name: TORIL SANDVIK

Sample Details

Order No.: PO11892
Reference No.: Not stated
Style No.: 70002161 70002411 70002412 70002413 70002414
Quality: 100% Cotton
Colour: Light Blue
Supplier : Not stated
Batch No.: Not stated
Intended Use: Bed Linen
Fibre Composition: 100% Cotton
Retailer: Not stated
Sample Thickness: 0.31 mm
Fabric Weight: 189 g/m²
Sample Description: Grey-blue coloured woven fabric

Test Method	Pre Treatment	Performance Requirement	Result
FTP Code (2010) Annex 1, Part 9: Test for Bedding Components (Smouldering cigarette test)	3 Cycles of BS EN ISO 6330 1A at 95°C and then tumble dried	FTP Code (2010) – Annex 1, Part 9 Clause 10.1	PASS
FTP Code (2010) Annex 1, Part 9 Test for Bedding Components (Butane flame test)	3 Cycles of BS EN ISO 6330 1A at 95°C and then tumble dried	FTP Code (2010) – Annex 1, Part 9 Clause 10.2	PASS

Note: The sample was tested over a 450mm x 350mm x 50mm mineral wool fibre pad as detailed in clause 5.2.2 of FTP Code (2010)Annex 1, Part 9

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~~STEVEN OWEN~~
(~~Chemical Technologist~~)


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ANDREW HALLETT
(Flammability Technician)

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~~DEAN MCCABE~~
(~~Flammability Technician~~)

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SIMON CHEE
(Operations Manager)

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Test Specification

Test Method: FTP Code (2010) – Annex 1, Part 9 Clause 8.1 (Smouldering Cigarette)
Ignition Source: Calibrated Senior Service cigarette.
Position of Ignition Source: On top as stated in clause 8.1
Cotton Wool Pad Specification: As per clause 5.2.7 of IMO Resolution A.688 (17)

Conditioning

Prior to Testing: At least 72 hours in ambient indoor conditions, then at least 16 hours in an atmosphere having a temperature of 23±2°C and a relative humidity of 50±5%

At Time of Testing: Temperature between 15°C & 25°C. Relative humidity between 35% & 75%

Test Results

“The following test results relate only to the ignitability of materials under the particular conditions of test. They are not intended as a means of assessing the full potential fire hazard of the bedding item in use.”

	On top (Initial test)		On top (Repeat test)	
Progressive smouldering ignition				
Escalating smouldering rendered the test unsafe to continue and required forcible extinction	No		No	
Smouldering essentially consumed the test specimen within the duration of the test	No		No	
Externally detectable amounts of smoke, heat or glowing 60 minutes after placement of the cigarette	No		No	
Smouldering progressed to any extremity of the test specimen	No		No	
Flaming ignition				
Flaming initiated by the smouldering cigarette was observed	No		No	
Final examination				
Progressive smouldering was observed when the sample was dismantled	No		No	
Evidence of smouldering other than discolouration more than 25mm in any horizontal direction from the nearest part of the original position of the edge of the cotton wool pad	No		No	
Time to extinction of flames after placement of the cigarette	-		-	
Time to extinction of smoke after placement of the cigarette	< 37 Minutes		< 39 Minutes	
Damage Width / Length (mm)	135	130	132	133
Ignition / Non Ignition	NI		NI	

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Test Specification

Test Method: FTP Code (2010) – Annex 1, Part 9 Clause 8.2 (Flame)
Ignition Source: 6.38 ± 0.25g/h butane gas flame
Position of Ignition Source: On top as stated in clause 8.2

Conditioning

Prior to Testing: At least 72 hours in ambient indoor conditions, then at least 16 hours in an atmosphere having a temperature of 23±2°C and a relative humidity of 50±5%

At Time of Testing: Temperature between 15°C & 25°C. Relative humidity between 35% & 75%

Test Results

“The following test results relate only to the ignitability of materials under the particular conditions of test. They are not intended as a means of assessing the full potential fire hazard of the bedding item in use.”

	On top (Initial)		On top (Repeat)	
Progressive smouldering ignition				
Escalating smouldering rendered the test unsafe to continue and required forcible extinction	No		No	
Smouldering essentially consumed the test specimen within the duration of the test	No		No	
Flaming ignition				
Escalating flaming rendered the test unsafe to continue and required forcible extinction	No		No	
Continued to flame for more than 150 s after removal of the ignition source	No		No	
Continued to flame and consumed more than 66% of the test specimen within 150s after removal of the ignition source	No		No	
Flaming progressed to either side of the test specimen	No		No	
Final examination				
Progressive smouldering was observed when the sample was dismantled	No		No	
Evidence of smouldering other than discolouration more than 100mm in any horizontal direction from the nearest part of the original position of the ignition source	No		No	
Time to extinction of flaming after removal of the ignition source	0 Seconds		0 Seconds	
Time to extinction of smoke after removal of the ignition source	6 Seconds		5 Seconds	
Damage Width / Length (mm)	11	16	10	16
Ignition / Non Ignition	NI		NI	

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