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FLAMMABILITY TEST REPORT

Report No.: LEHTX00545210 Amended **Date Received:** 16/08/10 **Date Tested:** 20/08/10 **1st Date Issued:** 20/08/10 **Amended Date:** 08/04/11

Company Name & Address: MASCOT HOIE AS
BREKSTADBUKTA INDUSTRIOMRADE
NO-7130 BREKSTAD
NORWAY

Contact Name: MAY ANITA RAUSTEIN

Sample Details

Style No.:	16004220 Duvet
Quality:	Trevira CS Fabric / CH Fibre
Colour:	White
End Use:	Not stated
Quoted fibre composition:	100% Polyester Trevira CS
Fabric type:	Woven
Sample description:	White coloured woven fabric White coloured fibre wadding

Test Method	Pre Treatment	Performance requirement	Result
FTP Code – Annex 1, Part 9 using IMO Resolution A.688 (17) Clause 5.5.1 (Smouldering cigarette test)	3 cycles of BS EN ISO 6330 1A @ 85°C and then tumble dried	IMO Resolution A.688 (17) Clause 6	**PASS**
FTP Code – Annex 1, Part 9 using IMO Resolution A.688 (17) Clause 5.5.2 (Butane flame test)	3 cycles of BS EN ISO 6330 1A @ 85°C and then tumble dried	IMO Resolution A.688 (17) Clause 6	**PASS**

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Test Specification

Test method	IMO Resolution A.688 (17) Clause 5.5.1 (Smouldering Cigarette)
Criterion of ignition:	Calibrated Senior Service cigarette.
Position of ignition source:	On top as stated in clause 5.5.1 of IMO Resolution A.688 (17)
Cotton wool pad specification:	As per clause 5.2.7 of IMO Resolution A.688 (17)

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Pre-treatment / Durability procedure

3 cycles of BS EN ISO 6330 1A @ 85°C and then tumble dried

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	N/A	N/A
Time to extinction of smoke after placement of the cigarette	24 minutes 18 seconds	27 minutes 10 seconds
Damage Width / Length (mm)	26mm / 84mm	32mm / 86mm
Ignition / Non ignition	**Non Ignition**	**Non Ignition**

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FLAMMABILITY TEST REPORT

Test Specification

Test method	IMO Resolution A.688 (17) Clause 5.5.2 (Flame)
Criterion of ignition:	6.38 ± 0.25g/h butane gas flame
Position of ignition source:	On top as stated in clause 5.5.2 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."

	1 (Upper surface of mattress)	2 (Upper surface of mattress)		
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	7 Seconds		
Damage Width / Length	24 / 23	25 / 37		
Ignition / Non ignition	**Non Ignition**	**Non Ignition**		

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