

## FLAMMABILITY TEST REPORT

**Report No.:** LEHTX00538694    **Date Received:** 01/07/10    **Date Tested:** 07/07/10    **Issue Date:** 07/07/10

**Company Name & Address:** THOMAS KNEALE & CO LTD  
ARBRY HOUSE  
UNIT 6  
PICCADILLY TRADING ESTATE  
MANCHESTER  
M1 2NP

**Contact Name:** FARRAH CUNNINGHAM

**Sample Details**

Ref/Style No.: FR/THROW/TSENG  
Customers description: Gold FR Throwover  
Colour(s) : Gold  
Supplier: Tseng. S  
End use: Throwover  
Quoted fibre composition: Not stated  
Fabric type: Woven  
Sample description: Gold coloured woven fabric

Test Method	Pre Treatment	Performance requirement	Result
BS 7175: 1989 Section 3, Ignition sources 0 & 5 (Smouldering cigarette and crib 5)	1 wash cycle of BS 5651:1989 Section 6.5.3 then tumble dried	BS 5815: Part 3: 1991 Clause 7.3 (Flammability of made-up articles)	<b>Complies</b>

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STEVEN OWEN  
(Chemical Technologist)

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CAROLE SPOWART  
(Flammability Technician)

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ANDREW WHITE  
(Quality Manager)

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SIMON CHEE  
(Analytical Lab Manager)

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### Test Specification

Test method BS 7175: 1989  
Criterion of ignition: Section 3, Ignition source 0 tested at Position A (Top) and Position B (Between top and 2nd fold)  
Section 3, Ignition source 5 tested at Position A (Top) and Position B (Below the overhang)

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### Pre-treatment

1 wash cycle of BS 5651:1989 Section 6.5.3 then tumble dried

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### Conditioning

Prior to testing: At least 72 hours in ambient indoor conditions, then at least 16 hours in an atmosphere having a temperature of  $20\pm 5^{\circ}\text{C}$  and a relative humidity of  $65\pm 5\%$

At time of testing: Temperature between  $15^{\circ}\text{C}$  &  $30^{\circ}\text{C}$ . Relative humidity between 35% & 75%

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### Test results

“The following results relate only to the ignitability of the test specimen under the particular conditions of test and are not intended as a means of assessing the full potential fire hazard of the bed covers in use.”

### Before Washing

Ignition Source		Specified time	Behaviour at specified time		Behaviour on dismantling		Ignited / Not ignited (I/NI)	Comments
Number	Position		Initial	Repeat	Initial	Repeat		
0	A	60 minutes after placement of the cigarette.	Cigarette burned out after 17 minutes and 13 seconds.	Cigarette burned out after 18 minutes and 21 seconds.	N/A	N/A	N/I	Damage did not exceed the limits specified in BS 7175: 1989
0	B	60 minutes after placement of the cigarette.	Cigarette burned out after 16 minutes and 21 seconds.	Cigarette burned out after 17 minutes and 39 seconds.	N/A	N/A	N/I	Damage did not exceed the limits specified in BS 7175: 1989
5	A	10 minutes after ignition of the crib	Flaming ceased 3 minutes and 29 seconds after crib ignition. Crib glowing ceased 7 minutes and 12 seconds after crib ignition.	Flaming ceased 3 minutes and 06 seconds after crib ignition. Crib glowing ceased 7 minutes and 11 seconds after crib ignition.	N/A	N/A	N/I	Damage did not exceed the limits specified in BS 7175: 1989
5	B	10 minutes after ignition of the crib	Flaming ceased 4 minutes and 10 seconds after crib ignition. Crib glowing ceased 7 minutes and 49 seconds after crib ignition.	Flaming ceased 3 minutes and 46 seconds after crib ignition. Crib glowing ceased 7 minutes and 09 seconds after crib ignition.	N/A	N/A	N/I	Damage did not exceed the limits specified in BS 7175: 1989

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**After Washing**

Ignition Source		Specified time	Behaviour at specified time		Behaviour on dismantling		Ignited / Not ignited (I/NI)	Comments
Number	Position		Initial	Repeat	Initial	Repeat		
0	A	60 minutes after placement of the cigarette.	Cigarette burned out after 17 minutes and 31 seconds.	Cigarette burned out after 18 minutes and 15 seconds.	N/A	N/A	NI	Damage did not exceed the limits specified in BS 7175: 1989
0	B	60 minutes after placement of the cigarette.	Cigarette burned out after 16 minutes and 41 seconds.	Cigarette burned out after 18 minutes and 03 seconds.	N/A	N/A	NI	Damage did not exceed the limits specified in BS 7175: 1989
5	A	10 minutes after ignition of the crib	Flaming ceased 3 minutes and 49 seconds after crib ignition. Crib glowing ceased 8 minutes and 10 seconds after crib ignition.	Flaming ceased 3 minutes and 20 seconds after crib ignition. Crib glowing ceased 7 minutes and 44 seconds after crib ignition.	N/A	N/A	NI	Damage did not exceed the limits specified in BS 7175: 1989
5	B	10 minutes after ignition of the crib	Flaming ceased 4 minutes and 31 seconds after crib ignition. Crib glowing ceased 8 minutes and 22 seconds after crib ignition.	Flaming ceased 4 minutes and 43 seconds after crib ignition. Crib glowing ceased 8 minutes and 36 seconds after crib ignition.	N/A	N/A	NI	Damage did not exceed the limits specified in BS 7175: 1989

**Conclusions**

The sample tested meets the requirements of BS 5815: Part 3: 1991 Clause 7.3. **PASS.**