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**your delivery of**  
2008-05-29

**your reference**

**our reference**  
PVH/10709

**date**  
Zwijnaarde, 2008-11-24

## Analysis Report 63346/E

Required tests :

**BS 6807:2006, Clause 9 - ignitability of mattresses**  
**Ignition source 5 : pine wood crib, top ignition**

Identification number	Information given by the client	Date of receipt
T805811	Circular knitting, 100% polyester yarn, 78dtex, 16 gauge	2008-06-02

Pros Van Hoeyland  
order responsible

For further information, please contact our sectorial adviser Pros Van Hoeyland

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ISO 17025



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**Reference : T805811 - Circular knitting, 100%polyester yarn, 78dtex, 16 gauge**

**BS 6807:2006, Clause 9 - ignitability of mattresses**  
**Ignition source 5 : pine wood crib, top ignition**

The following test results relate only to the ignitability of the combination of materials under the particular condition of test ; they are not intended as a means of assessing the full potential fire hazard of the item in use.

**End of tests:** 17 June 2008

**Deviations from the standard procedure**

The composition of the finished mattress is not known, therefore the test specimen is composed of the cover material as received and a foam filling. The test is carried out only on the flat portion of the upper surface.

**A. Materials tested**

Cover	:	-	quality	Circular knitting, 100%polyester yarn, 78dtex, 16 gauge
		-	water soaking	no
Filling	:	-	quality	Dumosafe CM33 (Dumo) *
		-	density	fire retardant
		-	dimensions	$\pm 33 \text{ kg/m}^3$
				450 mm x 450 mm x 150 mm

\* The filling complies with schedule 1 part 1 of the UK Furniture and Furnishings (Fire) (Safety) Regulations 1988

**B. Test results - crib 5 on top of the test specimen**

	<u>test 1</u>	<u>test2</u>
Flaming criteria		
- unsafe escalating combustion	no	no
- test assembly consumed	no	no
- flames to extremities	no	no
- flames through thickness	no	no
- flame time >10 min	no	no
flame time	2 min 53 s	3 min 09 s
Smouldering criteria		
- unsafe escalating combustion	no	no
- test assembly consumed	no	no
- smoulders to extremities	no	no
- smoulders through thickness	no	no
- smoke/heat/glowing more than 60 min	no	no
- smoulders more than 100 mm from source	no	no
	non-ignition	non-ignition

**Conclusion : non-ignition**