

your delivery of
2006-09-29

your reference

our reference
PVH/10613

date
Zwijnaarde, 2006-11-17

Analysis Report 53505/B

Required tests :

Washing and drying

IMO Fire Test Procedures (1998) - Resolution A.688 (17)

Recommendation on fire procedures for ignitability of bedding components

Identification number	Information given by the client	Date of receipt
T609874	pillow NSN 721017-106-3595	2006-10-03

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 : T609874 - pillow NSN 721017-106-3595

Washing and drying

1. Method:

Applied standard : ISO 6330 (year: 1984); washing procedure method: 2A

Deviations of the standard : -

Washing machine : Wascator type FOM 71 MP LAB

Number of washing cycles : 3

Detergent used : IEC - detergent

Temperature : 60°C

Drying method : tumble dry (**)

Number of test specimens : 2

Mass of the test specimens : 870 g + 866 g

2. Results:

Date of ending the test: 09-11-2006

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Recommendation on fire procedures for ignitability of bedding components

Test with smouldering ignition sources

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

RESULTS

End of tests: 17 November 2006

A. Bedding item tested

pillow : - quality pillow NSN 721017-106-3595
 - cleaning of the pillow 3 washes according to ISO 6330
 method 2A (60°C)
 tumble dry
 - conditioning (23 ± 2) °C / (50 ± 5)% RH

testing substrate: - mineral wool fibre pad

B. Smouldering cigarette test -

Cigarettes on the smooth surface

	Test 1	Test 2
<u>Smouldering criteria</u>		
- unsafe escalating combustion	no	no
- test assembly consumed	no	no
- smoke, heat or glowing more than 1 hour	no	no
- more than 25 mm from edge of cotton wool	no	no
<u>Flaming criteria</u>		
- occurrence of flames	no	no
	non-ignition	non-ignition

Conclusion : non-ignition

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Reference : T609874 - pillow NSN 721017-106-3595

IMO Fire Test Procedures (1998) - Resolution A.688 (17)
Recommendation on fire procedures for ignitability of bedding components

Test with flaming ignition sources

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

RESULTS

End of tests: 17 November 2006

A. Bedding item tested

pillow : - quality pillow NSN 721017-106-3595
 - cleaning of the pillow 3 washes according to ISO 6330 method
 2A(60°C)
 tumble dry
 - conditioning (23 ± 2) °C / (50 ± 5)% RH
 testing substrate: - mineral wool fibre pad

B. Flame test - flame application time : 20 s

Flame on the smooth surface

	Test 1	Test 2
<u>Smouldering criteria</u>		
- unsafe escalating combustion	no	no
- test assembly consumed	no	no
- smoke heat or glowing more than 60 min	no	no
- smouldering more than 25 mm from source	no	no
<u>Flaming criteria</u>		
- unsafe escalating combustion	no	no
- flames to extremities	no	no
- flames for more than 150 s	no	no
flame time after removal of the burner (s)	0	0
- >66% consumed	no	no
	non-ignition	non-ignition

Conclusion : non-ignition