



REPORT

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Handled by, department
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Herculite Products Inc
PO Box 435
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USA

Ignitability according to SIS 65 00 82 appendices

Product

Laminated tent fabric called 108849 ARCHITENT HD B/O AM WHT 61”75Y, consisting of 18 % polyester / 82 % PVC. The product has a nominal area weight of 655 g/m² and a nominal thickness of 0.53 – 0.56 mm.

Manufacturer

Herculite Products Inc.

Purpose of test

Basis for technical fire classification.

Sampling

The samples were delivered by the client. It is not known to SP Fire Technology if the products received are representative of the mean production characteristics.

The samples were received June 4, 2008 at SP Fire Technology.

Test results

The test results are given in appendix 1

The test results relate only to the behaviour of the test specimens of a product under the particular conditions of the test; they are not intended to be the sole criterion for assessing the potential fire hazard of the product in use.

Criteria

According to the guidelines for type approval ”Boverkets riktlinjer för typgodkännande, Brand-skydd, Allmänna råd 1993:2, utgåva 2” section 1.1.2 a material, thinner than or equal to 3.5 mm, is deemed difficult to ignite if the material during the test according to SIS 65 00 82 the following requirements are fulfilled for the best five out of six tests:

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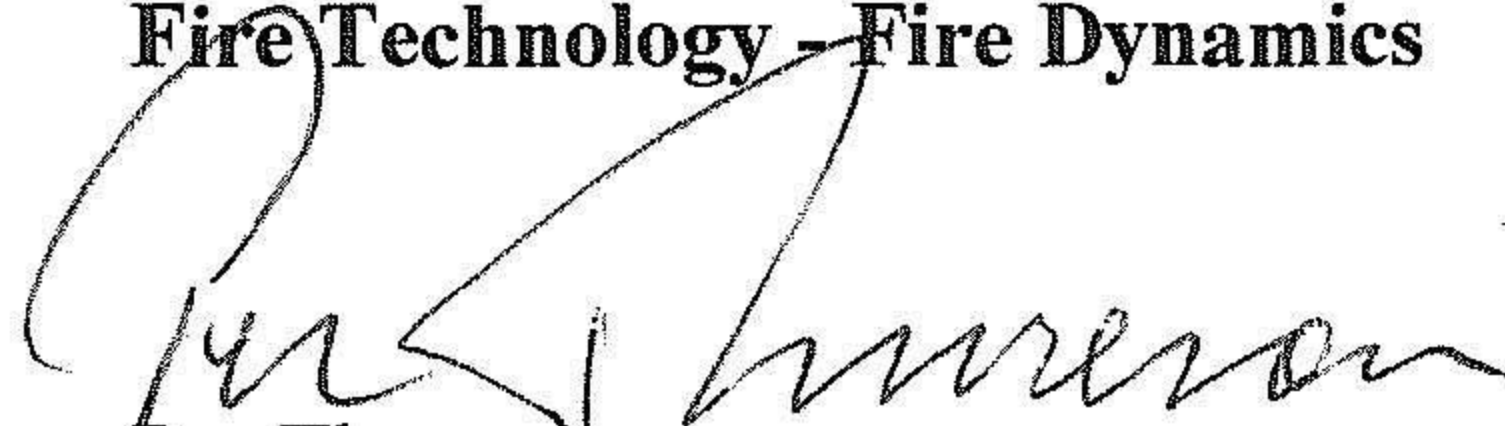


- The after flame time shall not exceed 2 seconds in average and not 3 seconds in any test.
- Burnt, melted or in any other way destroyed length shall not exceed 90 mm in average and not 115 mm in any test.

Assessment

The tested sample of the product called 108849 ARCHITENT HD B/O AM WHT 61”75Y meets the requirements for material difficult to ignite according to the criteria mentioned above.

SP Technical Research Institute of Sweden
Fire Technology - Fire Dynamics


Per Thureson
Technical Manager


Mats Eklund
Technical Officer

Appendices

Test results

Appendix 1

Test results - SIS 65 00 82, 1966
Product

Laminated tent fabric called 108849 ARCHITENT HD B/O AM WHT 61”75Y.

Test results

Test no	1	2	3	4	5	(6)	Average value of 5 tests
Direction	↑	↑	↑	→	→	→	
After flame time, s	1	2	0	0	0	(1)	<u>1</u>
After glow time, s	1	2	0	0	0	(1)	<u>1</u>
Damaged length, mm	77	90	81	83	81	(94)	<u>82</u>
Burning drops	No	No	No	No	No	No	

Explanation of results

According to Swedish Rules, issued by Boverket (Allmänna råd 1993:2), the test with the worst result shall be ignored when calculating the average value. Test no 6 was thus excluded when the average values were calculated.

Measured data

Thickness 0.55 – 0.57 mm.
Area weight 604 - 611 g/m².

Conditioning

Temperature $(20 \frac{+5}{-2})^{\circ}\text{C}$.
Relative humidity $(65 \pm 2) \%$.

Pre-treatment

Without any laundry or dry-cleaning prior to test.

Date of test

June 17, 2008.