Report 74913
Test Report

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Reference
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Application
Determination of burning behaviour according to ÖNORM B 3825 and smoke emission according to ÖNORM A 3800-1.

Test Material
"RAMI", "RAMI PLUS"

Material used in testing was anonymized for laboratory purposes. A detailed sample list is contained in the report.

Issuing and Signatures

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Authorised for Institute
Ing. Hannes Vittek
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1 Order

1.1 Chronology

<table>
<thead>
<tr>
<th>Date</th>
<th>Received</th>
<th>Order</th>
</tr>
</thead>
<tbody>
<tr>
<td>2014-09-29</td>
<td>2014-10-06</td>
<td>Determination of burning behaviour according to ÖNORM B 3825 and smoke emission according to ÖNORM A 3800-1.</td>
</tr>
</tbody>
</table>

1.2 Samples

<table>
<thead>
<tr>
<th>No.</th>
<th>Received</th>
<th>Sample Identification</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>2014-10-02</td>
<td>&quot;RAMI&quot;</td>
</tr>
<tr>
<td>2</td>
<td>2014-10-02</td>
<td>&quot;RAMI PLUS&quot;</td>
</tr>
</tbody>
</table>

(1) Samples provided by the customer. (2) Sample drawn by ÖfT.

2 Findings / Tests performed

2.1 Description of the specimen

Description of the specimen according to DIN 60 000

Test results

Tested sample: 1, 2

<table>
<thead>
<tr>
<th>Type of fibre according to DIN 60 001 part 1</th>
<th>80% Wool</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>20% Ramie</td>
</tr>
<tr>
<td></td>
<td>(declaration by the applicant)</td>
</tr>
</tbody>
</table>

Technological description: woven fabric
2.2 Determination of burning behaviour of upholstery fabrics

Test conditions
According to ÖNORM B 3825 acc.
Arrangement of upholstery: Arrangement A: free chosen upholstery
Kind of upholstery: foam: high resilient foam, properties: Burning behaviour:
"nicht schwerbrennbar" according to ÖNORM A 3800-1, Designation: RF 5560,
Producer: Eurofoam
Number of test specimens: Longitudinal direction 3 / Cross direction 3

Test results
Tested sample: 1, 2

<table>
<thead>
<tr>
<th>Specimen</th>
<th>Burning-time [s]</th>
<th>After-flame-time [s]</th>
<th>After-glow-time [s]</th>
<th>Flame spread rate [mm/s]</th>
<th>self-extinguishing before reaching the mark</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Longitudinal direction</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>none</td>
<td>1</td>
<td>0</td>
<td>--</td>
<td>yes</td>
</tr>
<tr>
<td>2</td>
<td>none</td>
<td>0</td>
<td>0</td>
<td>--</td>
<td>yes</td>
</tr>
<tr>
<td>3</td>
<td>none</td>
<td>1</td>
<td>0</td>
<td>--</td>
<td>yes</td>
</tr>
<tr>
<td>Cross direction</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>none</td>
<td>0</td>
<td>0</td>
<td>--</td>
<td>yes</td>
</tr>
<tr>
<td>2</td>
<td>none</td>
<td>1</td>
<td>0</td>
<td>--</td>
<td>yes</td>
</tr>
<tr>
<td>3</td>
<td>none</td>
<td>1</td>
<td>0</td>
<td>--</td>
<td>yes</td>
</tr>
</tbody>
</table>

Secondary effects of burning:
Behaviour of the covering fabric: self-extinguished
Behaviour of the upholstery: self-extinguished

Opinion
According to ÖNORM B 3825 the tested samples "RAMI" and "RAMI PLUS" can be classified as "schwerbrennbar gemäß ÖNORM B 3825"

Comments:
This test is a compound test at which the furniture fabric will always be tested combined with upholstery. Classification, therefore, relates only to the described arrangement of specimens and foam used.
2.3 Determination of smoke emission

Test Conditions
Standard: ÖNORM A 3800 acc. part 1/4.2
Specimen: woven fabric (see 2.1)
Arrangement of the specimen: loose

Test results
Tested sample: 1,2

<table>
<thead>
<tr>
<th>smoke emission [%]</th>
<th>Test 1</th>
<th>Test 2</th>
<th>Test 3</th>
<th>Test 4</th>
<th>Test 5</th>
<th>Mean Value</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>15</td>
<td>50</td>
<td>5</td>
<td>32</td>
<td>39</td>
<td>28</td>
</tr>
</tbody>
</table>

Classification
The tested samples "RAMI" and "RAMI PLUS" can be classified according to ÖNORM A 3800-1, item 4.2.1 as:

Qualmbildungsklasse Q1 - schwachqualmend
3 Remarks

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End of Report