ÖTI – Institut für Ökologie, Technik und Innovation GmbH

















Applicant

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"

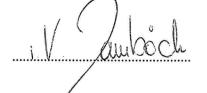
Material used in testing was anonymized for laboratory purposes. A detailed sample list is contained in the report.

Issuing and Signatures

Number of pages contained: 5

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1 Order

1.1 Chronology

Date

Received

Order

2014-09-29

2014-10-06

Determination of burning behaviour according to ÖNORM B 3825 and smoke emission according to

ÖNORM A 3800-1.

1.2 Samples

No. Received

Sample Identification

1 2014-10-02 (1) "RAMI"

2 2014-10-02 (1) "RAMI PLUS"

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

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

Type of fibre according to DIN 60 001 part 1	80% Wool 20% Ramie (declaration by the applicant)
Technological description	woven fabric



2.2 Determination of burning behaviour of upholstery fabrics

Test conditions

According to ÖNORM B 3825 accr.)

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

Specimen	Burning- time [s]	After-flame- time [s]	After-glow- time [s]	Flame spread rate [mm/s]	self-extinguishing before reaching the mark		
Longitudinal direction							
1	none	1	0		yes		
2	none	0	0		yes		
3	none	1	0		yes		
Cross direction							
1	none	0	0		yes		
2	none	1	0		yes		
3	none	1	0		yes		

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 accr.) part 1/4.2

Specimen: woven fabric (see 2.1)
Arrangement of the specimen: loose

Test results

Tested sample: 1,2

smoke emission [%]							
Test 1	Test 2	Test 3	Test 4	Test 5	Mean Value		
15	50	5	32	39	28		

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

Validity

There are no regulations concerning duration of validity in the individual test standards. As the results of the examinations refer only to the submitted and examined samples, the report is valid for these for an unlimited period. A period of validity specified as part of an expert evaluation is in the discretion of the consultant or the ÖTI.

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