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Test Report VN736 198117.1

Application

Determination of burning behaviour according to ÖNORM B 3825 and smoke emission according to ÖNORM A 3800-1 as well as determination of ignitability according to EN 1021 part 1 and part 2.

Test Material

"antik"

The test material used for testing was made anonymous for laboratory purposes.
A detailed sample list is included in the document.

Issuing

Original Issuing, 10.02.2022

Number Of Included Pages: 7

OETI - Institute for Ecology, Technology and Innovation GmbH

Atena Adineh

Customer Service Officer



1 Application

Date of Order	Scope of Order
20.01.2022	Description Of Specimen - Textile Fabrics - DIN 60000 Burning Behaviour Of Upholstery Fabrics - ÖNORM B 3825 Smoke Emission - ÖNORM A 3800-1 Ignitability of Upholstered Furniture - EN 1021-1 Ignitability of Upholstered Furniture - EN 1021-2

2 Samples

No.	Receipt	Sample Identification
1	21.01.2022	"antik"

(Unless otherwise stated samples are provided by the customer.)

3 Tests Performed / Results

*Description Of Specimen - Textile Fabrics DIN 60000

Tested sample: **#1 "antik"**

Type of fibre:	100% Polyester (declaration by the applicant)
Technological description:	2ly. Laminate knitted pile fabric

According to the current version of the relevant European Directives, fibre materials with a mass percentage of < 2 % are not specified.

Burning Behaviour Of Upholstery Fabrics ÖNORM B 3825

Tested sample **#1 "antik"**

Arrangement of upholstery: Arrangement A: free chosen upholstery

Kind of upholstery: high resilient foam , properties: Burning behaviour: "schwerbrennbar"
according to ÖNORM A 3800-1, Designation: RF 5560, Producer:
NEVEON

Number of test specimens: Longitudinal direction 3 / Cross direction 3

Direction	Specimen	Burning- time [sec]	Afterflame- time [sec]	Afterglow- time [sec]	Flame- spread rate [mm/sec]	Self- extinguishing before reaching measuring mark
Length	1	none	0	0	--	yes
	2	none	0	0	--	yes
	3	none	0	0	--	yes
Cross	1	none	0	0	--	yes
	2	none	0	0	--	yes
	3	none	0	0	--	yes

Secondary effects of burning:

self-extinguishing of fabric and upholstery

Self-extinguished of the upholstery

Classification

According to the classification criteria the tested sample can be classified as:

“schwerbrennbar“ according to 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.

Smoke Emission ÖNORM A 3800-1

Tested sample: **#1 "antik"**

Arrangement of the specimen: loose

Maximum smoke emission [%]					
Specimen 1	Specimen 2	Specimen 3	Specimen 4	Specimen 5	Mean value
25	22	12	28	25	22

Classification

According to the classification criteria the tested sample can be classified as:

“Qualmbildungsklasse Q1 – schwachqualmend”

according to ÖNORM A 3800-1.

Ignitability of Upholstered Furniture EN 1021-1

Tested sample: #1 "antik"

Kind of upholstery: manufactured upholstery

Pretreatment: none

Sample composition	
Outer layer (upholstery material):	Sample 1
Filling (stuffing):	Polyurethanfoam „RF5560“, Producer: NEVEON, Burning behaviour: "schwerbrennbar" according to ÖNORM A 3800-1

Inflammation through progressing smouldering	Test 1	Test 2
Specimen shows escalating combustion behaviour therefore continuing of testing is unsafe and specimen has to be extinguished	no	no
Specimen smoulders until it is essentially consumed within the duration of the test	no	no
Specimen smoulders to a border of the specimen	no	no
Specimen smoulders longer than 60 min after ignition of the cigarette	no	no
Specimen shows evidence of active smouldering on final examination	no	no

Inflammation through burning	Test 1	Test 2
Appearance of flames	no	no

Overall result **No ignition**

Note: The test results mentioned above relate only to the ignitability of the combination of upholstery composites under the specific conditions of test stated; these are not be considered as a criterion for assessing the overall potential risk of fire when using the materials in practice.

Ignitability of Upholstered Furniture EN 1021-2

Tested sample: **#1 "antik"**

Kind of upholstery: manufactured upholstery

Pretreatment: none

Sample composition	
Outer layer (upholstery material):	Sample 1
Filling (stuffing):	Polyurethanfoam „RF5560“, Producer: NEVEON, Burning behaviour: "schwerbrennbar" according to ÖNORM A 3800-1

Inflammation through progressing smouldering	Test 1	Test 2	Test 3
Specimen shows escalating combustion behaviour therefore continuing of testing is unsafe and specimen has to be extinguished	no	no	no
Specimen smoulders until it is essentially consumed within the duration of the test	no	no	no
Specimen smoulders to a border of the specimen	no	no	no
Specimen smoulders longer than 60 min after ignition of the cigarette	no	no	no
Specimen shows evidence of active smouldering on final examination	no	no	no

Inflammation through burning	Test 1	Test 2	Test 3
Specimen shows escalating combustion behaviour therefore continuing of testing is unsafe and specimen has to be extinguished	no	no	no
Specimen burns until it is essentially consumed within the duration of the test	no	no	no
Any flame front reaches a border of the specimen	no	no	no
Specimen continues to flame for more than 120 s after removal of the burner tube	no	no	no

Overall result **No ignition**

Note: The test results mentioned above relate only to the ignitability of the combination of upholstery composites under the specific conditions of test stated; these are not be considered as a criterion for assessing the overall potential risk of fire when using the materials in practice.

4 Remarks

Period of 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 OETI. The applicability of results and expert evaluations for materials not tested is in the responsibility of the applicant. Whereby an apportionment of results as well as any specified period of validity can only be done for identically constructed products and only as long as the product is produced unchanged. Possible national or international restrictions concerning the terms of usability of test and classification reports have to be considered; this is not the responsibility of the test laboratory.

Sample Material

Results of performed tests only refer to the sample material provided. Without explicit written other agreement testing is destructive and the sample material is transferred to the property of OETI, which is entitled to freely decide on storage and disposal.

Issuing

This test report is only issued as a PDF. Translations will be marked accordingly on the cover sheet.

Quality Management, Accreditation And Notification

All tests and services are performed under a quality management system according to EN ISO/IEC 17025. OETI is accredited as Testing Laboratory and Certification Body for products. It also is a Notified Body (NB0534). (see <http://ec.europa.eu/enterprise/newapproach/nando/>). Accreditation was provided by Akkreditierung Austria. The scope of accreditation is listed on www.oeti.biz. Due to the system for the mutual recognition of national accreditations (ILAC/IAF), this accreditation is valid worldwide.

Statements of conformity are based on the specifications of the specified standard. The "simple acceptance rule" applies, that means the measurement uncertainty is stated for the statement of conformity, but not taken into account.

In this report individual non-accredited test procedures are marked with *. Nevertheless, the analysis was also carried out for these parameters at the same level of quality as for the accredited parameters.

According to the decree on the use of the accreditation mark ("AkkZV") the accredited Conformity Assessment Body is the only one to use the accreditation mark. Application of the registration number of the Notified Body: As to personal protective equipment (PPE) the requirements of Regulation (EU) 2016/425 have to be kept. With construction products the application is only permitted within the declaration of performance for CE-marking.

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End of Report