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Test Report VN736 222341.2

Application
Testing and classification of the burning behaviour according EN 13773.

Test Material
Felter

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

Issuing
Original Issuing, 28.06.2023

Number Of Included Pages: 9

OETI - Institut fuer Oekologie, Technik und Innovation GmbH

Günther Sereinig
Customer Service Officer

1 Application

Date of Order	Scope of Order
22.05.2023	Description Of Specimen - Textile Fabrics - DIN 60000 Washing Procedure For Textile Testing - EN ISO 6330 (2021-12) (OZW12) Ignitability Vertical Orientated Specimen - EN 1101 (1995-11) Flame Spread of Vertical Oriented Specimen - supplied cond. - EN 13772 (2011-01) Flame Spread of Vertical Oriented Specimen - after cleaning - EN 13772 (2011-01) Dropping Behaviour - supplied condition - EN 13772 (2011-01) Dropping Behaviour - after cleaning - EN 13772 (2011-01) Classification Of Burning Behaviour Of Curtains And Drapes - EN 13773

2 Samples

No.	Receipt	Sample Identification
1	26.05.2023	Felter

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

3 Tests Performed / Results

*Description Of Specimen - Textile Fabrics DIN 60000

Tested sample: **#1 Felter**

Type of fibre:	100% Polyester FR (declaration by the applicant)
Technological description:	woven fabric

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

Washing Procedure For Textile Testing EN ISO 6330 (2021-12) (OZW12)

Tested sample:	**#1 Felter**
Deviation from standard:	none

Standard washing maschine	Wascator FOM 71 CLS
Washing procedure	6M - gentle wash
Temperature [°C]	60
Total mass of the specimen	3'780
Load	2 kg
Loading fabric	knitted 100% polyester fabric textured yarn
Washing detergent	ECE 2 washing detergent
Water hardness	0° dH
Number of washing processes	12
Drying procedure	Method A - Drying on the line
Intermediate drying	no

Ignitability Vertical Orientated Specimen EN 1101 (1995-11)

Tested sample:	**#1 Felter**
Test climate:	
- Temperature [°C]:	22
- rel. Humidity: [%]:	31
Specimen size [mm]:	200x80mm
Test gas:	Propane
Mode of ignition:	edge flame treatment
Pretreatment:	1x Washed
Deviation from standard:	none

Longitudinal direction			**Cross direction**		
Ignition time	Number of		Ignition time	Number of	
	Ignitions	No ignitions		Ignitions	No ignitions
1 s	0	1	1 s	0	1
2 s	0	1	2 s	0	1
3 s	0	1	3 s	0	1
4 s	0	1	4 s	0	1
5 s	0	1	5 s	0	1
10 s	0	1	10 s	0	1
15 s	0	1	15 s	0	1
20 s	0	5	20 s	0	5

Middle ignition time [s]	>20	Middle ignition time [s]	>20

Minimum ignition time [s]	**>20**

Measurement uncertainty [%]: **13.76**

Flame Spread of Vertical Oriented Specimen – supplied cond. EN 13772 (2011-01)

Tested sample:	**#1 Felter**
Conditioning climate:	20±2 °C/ 65± 5 % relative humidity
Test gas:	Propane
Pretreatment:	none
Deviation from standard:	none

Note: According to the specification of the applicant the tested sample can not be washed, therefore it was tested in supplied condition

Sample	exposed surface	1st marker thread severed	3rd marker thread severed	Time from start of inflammation to burning through of the		destroyed length	flaming debris
				1st marker thread	3rd marker thread		
				[s]	[s]	[cm]	
Longitudinal direction							
1	right	no	no	0	0	13.0	no
2	left	no	no	0	0	13.0	no
3	right	no	no	0	0	14.0	no
4	right	no	no	0	0	13.0	no
Cross direction							
1	right	no	no	0	0	14.0	no
2	left	no	no	0	0	12.0	no
3	right	no	no	0	0	13.0	no
4	right	no	no	0	0	13.0	no

Measurement uncertainty [%]: 5.89

Precision: With an interlaboratory test with 16 textile samples in 11 European laboratories it showed up that the determined results are reproducible and repeatable. Between all laboratories agreeing results showed up. The uncertainty of the measurement [u] corresponds therefore to the dispersion of the individual values of the respective examination.

Flame Spread of Vertical Oriented Specimen – after cleaning EN 13772 (2011-01)

Tested sample:	**#1 Felter**
Conditioning climate:	20±2 °C/ 65± 5 % relative humidity
Test gas:	Propane
Pretreatment:	12x washed
Deviation from standard:	none

Sample	exposed surface	1st marker thread severed	3rd marker thread severed	Time from start of inflammation to burning through of the		destroyed length	flaming debris
				1st marker thread	3rd marker thread		
				[s]	[s]	[cm]	
Longitudinal direction							
1	right	no	no	0	0	14.0	no
2	left	no	no	0	0	12.0	no
3	right	no	no	0	0	13.0	no
4	right	no	no	0	0	14.0	no
Cross direction							
1	right	no	no	0	0	13.0	no
2	left	no	no	0	0	11.0	no
3	right	no	no	0	0	14.0	no
4	right	no	no	0	0	13.0	no

Measurement uncertainty [%]: 5.89

Precision: With an interlaboratory test with 16 textile samples in 11 European laboratories it showed up that the determined results are reproducible and repeatable. Between all laboratories agreeing results showed up. The uncertainty of the measurement [u] corresponds therefore to the dispersion of the individual values of the respective examination.

Dropping Behaviour - supplied condition EN 13772 (2011-01)

Tested sample: **#1 Felter**

Pretreatment: none

Deviation from standard: none

Comment: The determination of dropping behaviour for curtains classified as Class 1 or 2 is done according to EN 13772.

Longitudinal direction			Cross direction		
Sample	Number of drops	Igniting dropping	Sample	Number of drops	Igniting dropping
1	0	no	1	0	no
2	0	no	2	0	no
3	0	no	3	0	no
4	0	no	4	0	no

Dropping Behaviour - after cleaning EN 13772 (2011-01)

Tested sample: **#1 Felter**

Pretreatment: 12x washed

Deviation from standard: none

Comment: The determination of dropping behaviour for curtains classified as Class 1 or 2 is done according to EN 13772.

Longitudinal direction			Cross direction		
Sample	Number of drops	Igniting dropping	Sample	Number of drops	Igniting dropping
1	0	no	1	0	no
2	0	no	2	0	no
3	0	no	3	0	no
4	0	no	4	0	no

***Classification Of Burning Behaviour Of Curtains And Drapes EN 13773**

Tested sample: **#1 Felter**

Determination of the ignitability according to EN 1101		no ignition
Determination of the flame spread of vertical orientated specimen according to EN 13772 - supplied condition	1st Markerthread	not broken
	3rd Markerthread	not broken
	Flaming debris	none
Determination of the flame spread of vertical orientated specimen according to EN 13772 - after cleaning	1st Markerthread	not broken
	3rd Markerthread	not broken
	Flaming debris	none
max. number of drops fall down during EN 13772 test		none
Drops caused ignition of filter paper		none

Classification of burning behaviour

According to the classification criteria of EN 13773 the tested specimen can be classified as:

Class 1

Classification of dropping behaviour

The tested specimen can be classified as

not dropping

Not dropping behaviour corresponds in accordance with the former standard ÖNORM B 3800 part 1 point 6.1 to the drop class "Tr1- nicht tropfend"

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. The testing period is defined as timeframe between receipt of samples and issue date of test report. 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.

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