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# Test Report VN736 165250.1

#### Application

Testing and classification of the burning behaviour according EN 13773.

#### **Test Material**

"Frost"

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

#### Issuing

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### **1** Application

Date of Order	Scope of Order			
06.02.2020	Description Of Specimen - Textile Fabrics - DIN 60000			
	Washing Procedure For Textile Testing - EN ISO 6330 (OZW12)			
	Ignitability Vertical Orientated Specimen - EN 1101			
	Flame Spread of Vertical Oriented Specimen - EN 13772			
	Dropping Behaviour - EN 13772			
	Classification Of Burning Behaviour Of Curtains And Drapes - EN 13773			

### 2 Samples

No.	Receipt	Sample Identification
1	10.02.2020	"Frost"

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



#### 3 Tests Performed / Results

#### \*Description Of Specimen - Textile Fabrics DIN 60000

Tested sample: #1 "Frost"

	50% Polyester
Type of fibre:	50% 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 (OZW12)

Tested sample:

#1 "Frost"

Standard washing maschine	Wascator FOM 71 CLS
Washing procedure	6N - normal washing 60 °C
Total mass of the specimen	660 and 780 g
Load	2 kg
Loading fabric	knitted 100% polyester fabric textured yarn
Washing detergent	ECE 2 washing detergent
Water hardness	0° dH
Number of washing	1 and 12
processes	
Drying procedure	Procedure A - Line drying



## Ignitability Vertical Orientated Specimen EN 1101

Tested sample: #1 "Frost"

Test climate:

- Temperature [°C]: 24

- rel. Humidity: [%]: 35

Pretreatment:

#### 1 washing cycle (see washing procedure)

Longitudinal direction			Cross direction		
Ignition time	Number of		Ignition time	Num	ber of
Ignition time	Ignitions	No ignitions	Ignition time	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
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Minimum	ignition	time	[s]
Willingth	ignition	unic	[9]

> 20



#### Flame Spread of Vertical Oriented Specimen EN 13772

Tested sample:		#1 "Frost"							
Conditioning climate:		20±2 °C/ 65± 5 % relative humidity							
Test gas:		Propan							
Pretreatmen	t:	None, test w	as carried ou	it in supplied	condition				
Sample	exposed surface	1st marker thread severed	thread thread Time from start of inflammation to burning through of the 1st marker 3rd marker		destroyed length	flaming debris			
				[s]	[s]	[cm]			
Longitudina	al direction	l			L				
1	right	no	no			14.0	no		
2	left	no	no			16.0	no		
3	left	no	no			9.8	no		
4	left	no	no			14.7	no		
Cross direc	Cross direction								
1	right	no	no			11.8	no		
2	left	no	no			13.5	no		
3	left	no	no			11.4	no		
4	left	no	no			11.0	no		

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.



Tested sample:		#1 "Frost"						
Conditioning climate:		20±2 °C/ 65± 5 % relative humidity						
Test gas:		Propan						
Pretreatmen	t:	12 washing	cycles (see w	ashing proce	edure)			
	exposed	1st marker	3rd marker	Time from start of inflammation to burning through of the		destroyed	flaming	
Sample	surface	thread severed	thread thread severed	1st marker thread	3rd marker thread	length	debris	
				[s]	[s]	[cm]		
Longitudina	al direction							
1	right	no	no			15.0	no	
2	left	no	no			16.5	no	
3	left	no	no			14.0	no	
4	left	no	no			15.0	no	
Cross direc	Cross direction							
1	right	no	no			14.0	no	
2	left	no	no			16.0	no	
3	left	no	no			13.0	no	
4	left	no	no			12.0	no	

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 EN 13772

Tested sample: **#1 "Frost"** 

Pretreatment: None, test was carried out in supplied condition

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

Lor	ngitudinal direct	ion	Cross direction		
Corrente	Number of	Igniting	Sample	Number of	Igniting
Sample	drops	dropping	Sample	drops	dropping
1	0		1	0	
2	0		2	0	
3	0		3	0	
4	0		4	0	

Tested sample: #1 "Frost"

Pretreatment: 12 washing cycles (see washing procedure)

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

Lor	ngitudinal direct	ion	Cross direction		
Sample	Number of drops	Igniting dropping	Sample	Number of drops	Igniting dropping
1	0		1	0	
2	0		2	0	
3	0		3	0	
4	0		4	0	



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

Tested sample: <b>#1 "Frost"</b>		
Determination of the ignitability according t	o EN 1101	no ignition
Determination of the flame spread of	1st Markerthread	no break
vertical orientated specimen according to	3rd Markerthread	no break
EN 13772 - supplied condition	Flaming debris	none
Determination of the flame spread of	1st Markerthread	no break
vertical orientated specimen according to	3rd Markerthread	no break
EN 13772 - after cleaning	Flaming debris	none
max. Number of drops falled down during I	EN 13772 test	0
Drops caused ignition of filter paper		no

#### **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.

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End of Report