

Investigation report

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Investigation report No. 24/2776_1

Order description: Burning behaviour - classification scheme according to DIN EN 13773 (2003-05)

Test samples: article: "7485/300/0001, 100% Polyester "

Sampling: by orderer

Orderer: see address

Date of order: 27.08.2024/19.09.2024

Receipt of order: 28.08.2024/19.09.2024

Date of testing: 10.09.2024

Number of pages: 5

Remark: The results are valid only for the tested object. The accreditation applies for the methods listed in the annex to the certificate D-PL-17323-01-00. Accredited test methods are underlined. The valuations and Interpretations in the investigation report are not subject to accreditation. Tests conducted through co-operation partners are marked with °. All information provided by the customer, which is taken over unchecked and thus reflected in the examination report, are placed in quotation marks on the first page of the investigation report. Changes to the original investigation report are marked with a vertical line in the left side edge and a revision level is added to the investigation report number. The content of this investigation report will not be passed to third persons without written approval of the orderer. The partial publication of the test report, as well as the usage for commercial process, is only allowed with a permission of the DELCOTEX Delius Techtex GmbH & Co. KG. Remnants of test material will be destroyed after 3 months. Previously stated specifications / data sheets / certificates are only characters and no warranties. Also no warranty in case of durability will be overtaken. Finally our general delivery and payment conditions are valid (please see www.textillabor.eu).

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Description of test material

article: "7485/300/0001, 100% Polyester"

color: 0001

material: 100% Polyester

weight: 48,8 g/m²

thickness: 0,16 mm

field of application: Curtains and drapes

original sample:



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Instructions for performing

Method: Determination of ease of ignition of vertically oriented specimens according to DIN EN 1101 (2005-09) and according to DIN EN ISO 6940 (2004-06)

Measuring conditions:

purification process:	1x acc. DIN EN ISO 6330 (2022-03) 3M/C (30°C)
sample size:	length = 200 mm width = 80 mm
room temperature:	20 +/- 2 °C
humidity:	65 +/- 4 %

Test chamber conditions:

room temperature:	21,6°C (10 - 30°C)
humidity:	55,3% (15 - 80%)
air velocity:	< 0,2 m/s
gas:	propane
basic height of flame:	40 +/- 2 mm
Type of ignition:	by the edge

Test results

article: "7485/300/0001, 100% Polyester"

weight: 48,8 g/m² thickness: 0,16 mm

Flame application [s]	length			Flame application [s]	width		
	Persistence of flame ≥ 5 [s] yes/no	Time of persistence of flame [s]	Ignition X / 0		Persistence of flame ≥ 5 [s] yes/no	Time of persistence of flame [s]	Ignition X / 0
1	no	0	0	1	no	0	0
2	no	0	0	2	no	0	0
3	no	0	0	3	no	0	0
4	no	0	0	4	no	0	0
5	no	0	0	5	no	0	0
10	no	0	0	10	no	0	0
15	no	0	0	15	no	0	0
20	no	0	0	20	no	0	0
20	no	0	0	20	no	0	0
20	no	0	0	20	no	0	0
20	no	0	0	20	no	0	0
20	no	0	0	20	no	0	0
20	no	0	0	20	no	0	0

X= ignition; 0= no ignition; - = if not applicable

average inflammation time:

length: >20 seconds
width: >20 seconds

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Instructions for performing

Method: Measurement of flame spread of vertically oriented specimens with large ignition source according to DIN EN 13772 (2003-05)

Measuring conditions:

purification process:	1x acc. DIN EN ISO 6330 (2022-03) 3M/C (30°C)
sample size:	length = 560 +/-2 mm
	width = 170 +/-2 mm
room temperature:	20 +/- 2 °C
humidity:	65 +/- 4 %

Test chamber conditions:

room temperature:	22,0°C (10 - 30°C)
humidity:	56,0% (15 - 80%)
air velocity:	< 0,2m/s
gas:	propane
basic height of flame:	40 +/-2 mm
type of ignition:	by the edge
flame application time:	10s

Prüfergebnis - Test results

article: "7485/300/0001, 100% Polyester"

weight: 48,8 g/m² thickness: 0,16 mm

		length				width			
Sample		1	2	3	4	1	2	3	4
Face exposed to the radiator	R/L	R	L	R	R	R	L	L	L
1 st marker thread reached	yes/no	no	no	no	no	no	no	no	no
in	[s]	-	-	-	-	-	-	-	-
2 nd marker thread reached	yes/no	no	no	no	no	no	no	no	no
in	[s]	-	-	-	-	-	-	-	-
3 rd marker thread reached	yes/no	no	no	no	no	no	no	no	no
in	[s]	-	-	-	-	-	-	-	-
flaming debris	yes/no	no	yes	no	no	no	yes	yes	no
burning of filter paper	yes/no	no	no	no	no	no	no	no	no
vertical damage	[mm]	148	125	131	131	114	124	112	146

R= front side; L= back side; - = if not applicable

Instructions for performing

Method: Classification scheme according to DIN EN 13773 (2003-05)

Test results

article: "7485/300/0001, 100% Polyester"**weight:** 48,8 g/m² **thickness:** 0,16 mm**classification**

The present test samples (see article) can be classified according to the
DIN EN 13773 into the following class:

class:	1
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Class	Ignitability	Flame spread
1	Non ignition according to EN 1101	1 st marker thread not severed, no flaming debris, according to EN 13772
2	Non ignition according to EN 1101	3 rd marker thread not severed, no flaming debris, according to EN 13772
3	Non ignition according to EN 1101	3 rd marker thread severed, and/or flaming debris, according to EN 13772
4	Ignition according to EN 1101	3 rd marker thread not severed, no flaming debris, according to EN 1102
5	Ignition according to EN 1101	3 rd marker thread severed, and/or flaming debris, according to EN 1102

Remark:

In combination with other materials (such as coatings, etc.), the fire-behavior can be influenced adversely, so that this classification is no longer valid.
The fire behavior of the material in combination with other materials to be tested separately.



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Only the information contained in the signed test report is binding.