



Testing. Advising. Assuring.

Test report

No. 2018-1024

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Applicant: Zimmer + Rohde GmbH
Zimmersmühlenweg 14-18

D – 61440 Oberursel

Date of order:
Date of sampling: *no official sampling of the specimen by a representative of Exova Warringtonfire, Frankfurt*
Date of arrival: 19.12.2017
Date of test: 04.01.2018

Order:

Testing of the igniteability according to DIN EN 1021-1 (Okt. 2014)
With assessment according to DIN 66084

Description / designation of the test object

Material designated as: 10712 Phönix

Description of the relevant test procedure

DIN EN 1021 – 1 (Okt. 2014)

DIN 66084





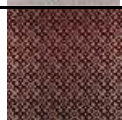
1. Description of the test material

1.1 Details of the customer:

Material designated as: 10712 Phönix

Composition:

Basis: 100% PES, Flor: 100% PAN

Phönix	10712-999	502g/m ²	
Phönix	10712-994	502g/m ²	
Phönix	10712-358	502g/m ²	

1.2 At the specimen preparation by Exova Warringtonfire, Frankfurt determined values:

Fabric sample

Colour:	black	red	white/grey
Thickness:	ca. 2,6 mm	ca. 2,6 mm	ca. 2,6 mm
Square weight:	498 g/m ²	510 g/m ²	507 g/m ²

Foam: Standard foam 22 kg/m³

Testing after clima storage at 23°C and 50% humidity.

2. Test results

Testing of the burning behaviour according to DIN EN 1021-1 (ignition source: cigarette)

Colour: black

Specimen no.	1	2
Smouldering criteria:		
Unsafe escalating combustion	no	no
Test assembly consumed	no	no
Smoulders to extremities	no	no
Smoulders through thickness	no	no
Smoulders more than an hour	no	no
More than 100mm from source	no	no
Flaming criteria:		
Unsafe escalating combustion	no	no
Test assembly consumed	no	no
Flames to extremities	no	no
Flames through thickness	no	no
Flames > 120 seconds	no	no

Enter "yes" if criteria exceeded or "no" if criteria not exceeded

Remarks: The cigarettes burn out after 15:55 (min.:sec.) and 15:05 (min.:sec.).

Test result: no ignition

2.1 Test results

Testing of the burning behaviour according to DIN EN 1021-1 (ignition source: cigarette)

Colour: red

Specimen no.	1	2
Smouldering criteria:		
Unsafe escalating combustion	no	no
Test assembly consumed	no	no
Smoulders to extremities	no	no
Smoulders through thickness	no	no
Smoulders more than an hour	no	no
More than 100mm from source	no	no
Flaming criteria:		
Unsafe escalating combustion	no	no
Test assembly consumed	no	no
Flames to extremities	no	no
Flames through thickness	no	no
Flames > 120 seconds	no	no

Enter "yes" if criteria exceeded or "no" if criteria not exceeded

Remarks: The cigarettes burn out after 16:25 (min.:sec.) and 16:10 (min.:sec.).

Test result: no ignition

2.2 Test results

Testing of the burning behaviour according to DIN EN 1021-1 (ignition source: cigarette)

Colour: white/grey

Specimen no.	1	2
Smouldering criteria:		
Unsafe escalating combustion	no	no
Test assembly consumed	no	no
Smoulders to extremities	no	no
Smoulders through thickness	no	no
Smoulders more than an hour	no	no
More than 100mm from source	no	no
Flaming criteria:		
Unsafe escalating combustion	no	no
Test assembly consumed	no	no
Flames to extremities	no	no
Flames through thickness	no	no
Flames > 120 seconds	no	no

Enter "yes" if criteria exceeded or "no" if criteria not exceeded

Remarks: The cigarettes burn out after 17:15 (min.:sec.) and 16:35 (min.:sec.).

Test result: no ignition

3. Appearance of the specimen after the test



4. Assessment

The material described in chapter one fulfils the requirements:

according to DIN EN 1021-1 (Okt. 2014): **no ignition**
(ignition source: glowing cigarette)

The tested material passed the requirements to classes P-c according to DIN 66084

5. Special comment


The fire test result is only valid for the described material in chapter one in the tested colours. According to the experiences of the test laboratory the test results also includes colors in between the tested ones.

In the composition with other materials (for example coatings, deposits) the burning behaviour could be influenced unfavourable that the above classification is not any longer valid. The burning behaviour in composition with other materials has to be tested separately.

Frankfurt, the 18th January.2018



H. Anders
Tester in charge

i. V. 
Dipl.-Ing. T. Zachäus
Laboratory Supervisor



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