



Testing. Advising. Assuring.

Test report

No. 2016-1400

issued 18.05.2016

Applicant: Vescom B.V.
Sint Jozefstraat 20

5753 AV Deurne

Date of order: 29.04.2016
Date of sampling: *no official sampling of the specimen by a representative of Exova Warringtonfire, Frankfurt*
Date of arrival: 02.05.2016
Date of test: 18.05.2016

Order:

Testing of the ignitability according to DIN EN 1021-1 and -2 (October 2014)
With assessment according to DIN 66084

Description / designation of the test object

Sample material designated as: Qualität Namal, Dess. 7043 (100% PES FR)

Description of the relevant test procedure

DIN EN 1021 – 1 (October 2014)
DIN EN 1021 – 2 (October 2014)

DIN 66084

1. Description of the test material

1.1 Details of the customer:

Sample material designated as: Qualität Namal, Dess. 7043 (100% PES FR)

Quality Namal, Dess. 7043 (100% PES FR)

Weight 360 g/m²

1.2 By Exova Warringtonfire, Frankfurt determined values:

Fabric

Construction:

Colour: red

Square weight: 357 g/m²

Test foam: grey MA3032D, Fa. Metzeler, 30kg/m³

Before the test, the samples were conditioned at 23°C and 50% humidity.

2. Test results

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

Specimen no.	1	2
Smoldering criteria:		
Unsafe escalating combustion	no	no
Test assembly consumed	no	no
Smolder to extremities	no	no
smolder through thickness	no	no
smolder more than one 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 cigarette 1 burn out after 18:25 (min.:sec.)
The cigarette 2 burn out after 18:30 (min.:sec.)

Test result: no ignition

**Testing the burning behavior according to DIN EN 1021-2
(ignition source: gas flame)**

specimen no.	1	2	3
Smoldering criteria:			
Unsafe escalating combustion	no	no	no
Test assembly consumed	no	no	no
smolder to extremities	no	no	no
smolder through thickness	no	no	no
smolder more than one hour	no	no	no
More than 100mm from source	no	no	no
Flaming criteria:			
Unsafe escalating combustion	no	no	no
Test assembly consumed	no	no	no
Flames to extremities	no	no	no
Flames through thickness	no	no	no
Flames > 120 seconds	no	no	no

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

Remarks: none

Test result: no ignition

3. Appearance of the specimen before and after the test



4. Assessment

The material described in chapter one fulfils the requirements:

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

according to DIN EN 1021-2 (October 2014): **no ignition**
(ignition source: gas flame)

The tested material passed only the requirements to class P-b and P-c according to DIN 66084.

5. Special note

The fire test result is only valid for the material described in chapter 1.

In the combination 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 combination with other materials has to be tested separately.

Frankfurt, the 18.05.2016



H. Anders
Tester in Charge



P. Scheinkönig
Deputy Head of Exova Warringtonfire, Frankfurt



The results of the tests relate only to the behaviour of the test specimen which is designated on the top.
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