



Testing. Advising. Assuring.

Test report no. T2011-1081

issued 13.05.2011

Applicant:

Trevira GmbH
Philipp-Reis-Str. 2

D – 65795 Hattersheim

Date of order:

04.05.2011

Date of sampling:

**no official taking out of the specimen
from a representative of the Exova
Warringtonfire, Frankfurt**

Date of arrival:

04.05.2011

Date of test:

13.05.2011

Order:

Testing of the igniteability according to DIN EN 1021-1 u. -2 (April 2006)
With assessment according to DIN 66084

Description / designation of the test object

Upholstery fabric designated as “article STEP”

Description of the relevant test procedure

DIN EN 1021 – 1 + -2 (April 2006)

DIN 66084

1. Description of the test material

1.1 Details of the customer:

Upholstery fabric designated as "article STEP"

Construction:

Manufacturer: Gabriel A/S, Aalborg, Dänemark

Application No.: 110409

Article: STEP

Material: Trevira CS

Application area: Upholstery fabric /seat cover

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

Upholstery fabric

Colour: green

Thickness: 1 mm

Square weight: 351 g/m²

Filling: Polyurethane foam MA 3048, 30 kg/m³, Fa. Metzeler

Testing on model seat

Testing after clima storage at 23°C and 50% humidity for 48 hours.

2. Test results

Testing of the burning behaviour according to DIN EN 1021-1 (April 2006)
(ignition source: cigarette)

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 Sekunden	no	no

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

Remarks: The cigarettes burn 15:15 (min.:sec.) and 15:30 (min.:sec.)

Test result: no ignition

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

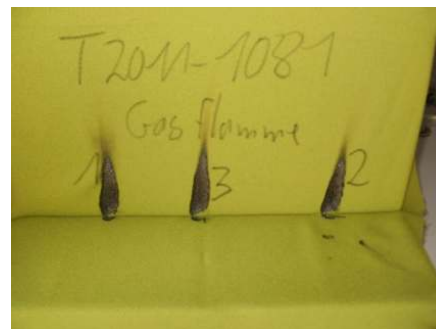
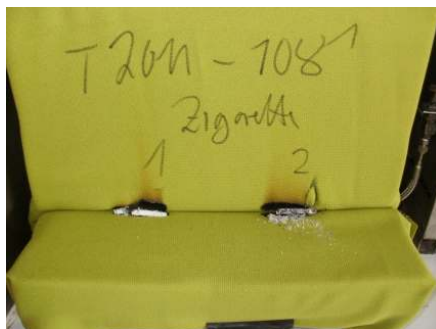
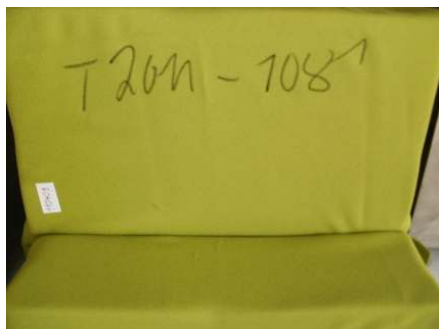
specimen no.	1	2	3
Smouldering criteria:			
Unsafe escalating combustion	no	no	no
Test assembly consumed	no	no	no
Smoulders to extremities	no	no	no
Smoulders through thickness	no	no	no
Smoulders more than an hour	no	no	no
More than 100mm from source	no	no	no
Flaming criteria:			
Unsafe escalating combustion	no	no	no
Test assembly consumed	no	no	no
Flames to extremities	no	no	no
Flames through thickness	no	no	no
Flames > 120 Sekunden	no	no	no

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

Remarks: none

Test result: no ignition

Appearance of the specimen after the test



3. Assessment

The in chapter one described material fulfills the requirements:

according to DIN EN 1021-1 (April 2006): **no ignition**
(ignition source: glowing cigarette)

according to DIN EN 1021-2 (April 2006) : **no ignition**
(ignition source: gas flame)

The tested material fulfills the requirements of the class P-b and P-c according to DIN 66084

Special comment

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

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, 13th May 2011



P. Scheinkönig
Tester in charge



Dipl.-Ing. T. Zachäus
Laboratory Supervisor

The results of the tests relate only to the behaviour of the test specimen which is designated on the top.
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This test report is a translation of the German version T2011-1081 issued 13.05.2011. In case of doubt only the German version is valid

This test report contains 6 pages