

Test laboratory for the fire behavior of building materials, Dipl.-Ing. (FH) Andreas Hoch  
Testing, supervising and certifying body, authorized by the building supervision authority

Prüfinstitut Hoch, Lerchenweg 1, D-97650 Fladungen

Fladungen, September 12<sup>th</sup> 2011**A. Berger GmbH**attn. Of Mr. Diethelm Schüssler  
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D-47809 Krefeld

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**fire test according to DIN 4102-1 (B1) with following fabric**

**PN 14051 „4181 PES strechi“**      **white fabric consisting of 100% polyester**  
thickness ≈ 0,55 mm      area weight ≈ 191 g/m<sup>2</sup>

**Dear Mr. Schüssler,**

with the fabric we did fire tests acc. DIN 4102-1 in the “Brennkasten” and “Brandschacht” with the following results:

<b>Brennkasten-Test</b>	edge-test	surface-test
max. flame height	3 cm	6 cm
dropping of burning material	no	no

The flame must not hit the gage mark of 15 cm.

<b>Brandschacht-Test</b>	<b>#2079</b>	<b>#2080</b>
flamed side / direction	A / warp	B / weft
max. flame height / time of occurrence	<b>30 cm / 0:02 min–10:00 min</b>	<b>30 cm / 0:02 min–10:00 min</b>
<b>max. smoke temperature</b>	<b>128°C</b>	<b>128°C</b>
<b>rest length sample 1 / 2 / 3 / 4</b>	<b>72/68/60/75 cm</b>	<b>70/72/66/71 cm</b>
<b>rest length (average)</b>	<b>69 cm</b>	<b>70 cm</b>
smoke development	2 %min	1 %min

the rest length must be >15 cm, the maximum smoke temperature must be lower than 200°C

- **The fabric did pass the “Brennkasten-Test” (B2).**
- **The fabric did pass the “Brandschacht-Test”.**

**To issue a B1-certificate no additional tests are necessary.**

This report is no proof of a building class according to DIN 4102-1.

This report is no proof of applicability in the meaning of state building prescriptions.

**Yours sincerely**

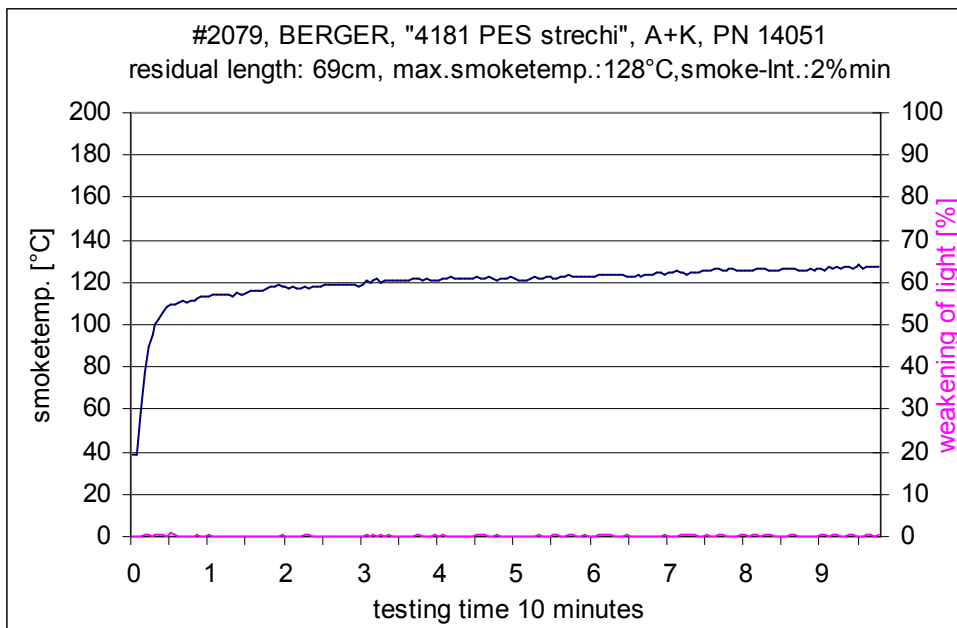
J. Hammer

This test report includes 2 enclosures.

**Brandschacht-Test #2079**



**measurement**



**Brandschacht-Test #2080**



**measurement**

