

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

TEST REPORT

PZ-Hoch-171124-2

for the proof of Fire behaviour according to DIN 4102, part 1

Translation of the German test report – no guarantee for translation of technical terms

company	Vescom B.V. St. Jozefstraat 20 NL-5753 Deurne
description of samples	fabric consisting of wool and polyamide FR colour: brown
name of the material	„Lani 7060”
sampling	by the company itself
content of request	Prove of the Fire behaviour according to the requirements of the class "normal entflammbar" according to the German standard DIN 4102, part 1.
validity of test report	31.08.2022
result	The examined product meets the requirements of class B2 for “normal entflammbare” building materials according to DIN 4102, part 1 (May 1998), suspended freely or with distance of >40 mm to same or other plain materials.

This test report includes 3 pages.

For legal interests only the German original version is relevant.

If the above mentioned building material is not used as product according to MBO § 2, Abs. 9, No. 1, there is no need for a general building supervisory test report.

This test report is not valid if the examined building material is used as product in the meaning of state building prescriptions (MBO § 17, Abs. 3).

This test report does not replace an eventually necessary proof of applicability concerning building supervisory or building laws in the meaning of state building prescriptions. This has to be verified by: “allgemeine bauaufsichtliche Zulassung” (general building inspectorate approval) or by “allgemeines bauaufsichtliches Prüfzeugnis” (general building inspectorate certificate) or by “Zustimmung im Einzelfall” (exceptional approval)

This test report can underlie building supervisory procedures for regular building products for the prescribed proofs of conformity for non-regular building products for the needed proofs of applicability.

This test report must not be published and copied without preceding agreement of the test laboratory and if agreed, only during validity and unchanged concerning appearance and contents.

1. Description of test material in condition as delivered

PN 26161: "Lani 7060" colour: brown
fabric consisting of 80% wool and 20% polyamide FR
no difference between side A and side B
characteristic values determined by the test laboratory:
area weight: about 550 g/m² thickness: about 1,30 mm

The testing laboratory is not provided with further details concerning composition of the tested building materials. Samples are deposited.

2. Preparation of samples

From the delivered material samples were cut for the edge and surface test with the dimensions 9 x 19 cm and 9 x 23 cm.

The samples were kept in the climate chamber (23/50) according to DIN 50014-23/50-2 for a minimum of 14 days.

3. Arrangement of samples mounting: freely suspended

4. Date of test 20.09.2017

5. Results The fire test was carried out according to the German standard DIN 4102-1 clause 6.2 (edition May 1998).

PN 26161	edge exposure								surface exposure				Dimension
	tested freely suspended												
sample no.	1	2	3	4	5	6	7	8	1	2	3	4	--
side and direction	AK	BK	BS	AS	AS	AS	AS	AS	AK	BK	AS	BS	--
ignition ¹⁾	1	1	1	1	1	1	1	1	12	12	12	12	s
top flames at the limit ¹⁾²⁾	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	s
max. flame height	7	8	10	8	7	10	6	8	4	4	4	4	cm
time ¹⁾²⁾	15	15	15	15	13	15	15	15	15	15	15	15	s
self-extinguishing of the flames ¹⁾	21	18	18	18	18	16	19	19	15	15	15	15	s
the flames were extinguished after ¹⁾	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	s
smoke development (visually)	moderate								moderate				--
burning particles / droplets within 20 s ¹	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	s

The samples were burned cone-shaped with a max. width of 3 cm x height 5 cm.

¹⁾ time from the beginning of the test

²⁾ within 20 seconds

-/- no occurrence

-- no data

I = inner side

A = outer side

6. Explanations concerning the testing procedure - none.

7. Classification

7.1 Building material class

Based on the test results described above the material complies with the requirements of the building material class "normal entflammbar" DIN 4102 - B2.

The classification is valid freely suspended or in a distance > 40 mm to same or other plain materials.

7.2 Test for falling of burning particles (droplets)

The material shows no burning particles DIN 4102-1, clause 6.2.6.1.

8. Additional directions

This test report is no substitute for a General Building Inspectorate Certificate. For legal interests only the German original version is relevant.

This report is only valid for the material as described under paragraph 1. In combination with other materials or with additional coatings or grounds etc. the burning behaviour may differ. The fire performance of other than the parameters given above has to be tested and classified separately.

This test report is not valid, as soon as the material is used as a building product in the sense of the "Landesbauordnungen" (state building requirements, MBO § 17, par. 3). According to DIN 4102, section 7, the material has to be marked:

DIN 4102 – B2

9. Validity

This test report is valid to date specified on page 1. The test report becomes invalid in case the standards on which the tests are based are changed.

Fladungen, April 13th 2018

clerk in charge:



(Silke Biendara)



Head of the test laboratory:



(Dipl.-Ing.(FH) Andreas Hoch)