

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

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Fladungen, October 26th 2017**SOYANG TECHNOLOGIES CO., LTD**c/o Nancy
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K-Hoch-171225

fire test according to DIN 4102-1 (B1) with following material**PN 26366: „ST-601“ -white fabric, coated on one side-**

side A: coated side

thickness \approx 0,23 mm area weight \approx 186 g/m²**Dear Nancy,**

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

Brennkasten-Test (indicative)	edge-test	surface-test
max. flame height	13 cm	13 cm
dropping of burning material	no	no

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

Brandschacht-Test	#9590
flamed side / direction	A / warp
max. flame height	50 cm
time of occurrence	0:07 – 0:11 min
max. smoke temperature	114°C
rest length (average)	66 cm
smoke development	9 %min
burning droplets	no (3 sec.)

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

Results:

- **The material did pass the indicative „Brennkasten-Test“(B2).**
According to DIN 4102-1 we have to repeat the “Brennkasten”-test after 14days air conditioning, but we expect no change for the worse.
- **The material did pass the performed “Brandschacht”-test:**
The maximal flame height is 50cm during this test, which is uncritical for such fabrics.
Due to the low flames the fabric provides after the test good rest-lengths which are in average 66cm.
The smoke temperature stays low.
There are no burning droplets for longer than 20 seconds.
- **To classify this fabric according to DIN 4102-1 / class B2 or B1 additional tests are necessary.**
We expect no failure.

If you need an official classification we fulfil the tests as soon as possible. Please inform us.**Yours sincerely Jürgen Hammer** This test report includes 1 enclosure.

Brandschacht-Test #9590



measurement

#9590, PN26366: SOYANG, "ST-601", A+K
 Max. flue temperature: 114°C, Smoke density integral: 9%min
 Residual length: 66 cm

