

TEST CERTIFICATE ON FLAMMABILITY TESTING OF UPHOLSTERY COMPOSITE

**No 241 / BP / 18**

**Test method:**

PN-EN 1021-1:2014-12 Furniture. Assessment of the ignitability of upholstered furniture. Part 1: Ignition source smouldering cigarette.

**Orderer:**



INSTYTUT WŁÓKIENNIC  
LABORATORIUM  
BADAŃ PALNOŚCI WYROBÓW  
ul. Gdańska 118, 90-520 Łódź

**Subject of testing:**

Upholstery composite:

- T-3037 polyurethane foam, self-extinguished

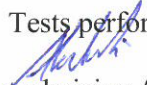
Testing sample with the correct size, in appropriate state for testing,  
supplied by the Orderer with its characteristic and without the Sampling Protocol.

**Results of testing:**

| Standard             | Test method                               | Result                                                                             |
|----------------------|-------------------------------------------|------------------------------------------------------------------------------------|
| PN-EN 1021-1:2014-12 | Ignition source:<br>smouldering cigarette | <b>Neither progressive smouldering ignition<br/>nor flaming ignition occurred.</b> |

The above test results relate only to the ignitability of the combination of materials under the particular conditions of test; they are not intended as a means of assessing the full potential fire hazard of the materials in use.

Tests performed by:

  
technician Andrzej Kubacki

Test Certificate authorized by

Laboratorium Badań Palności WYROBÓW  
KIEROWNIK TECHNICZNY

  
mgr inż. Agnieszka Hulewicz  
18. 06. 2018

Sample received on: 24.05.2018

Test performed on: 18.06.2018

**NOTES:**

1. The Testing results refer only to the tested sample.
2. Test Certificate consists of 2 pages.
3. Test Certificate must not be reproduced in another way, than as a whole without a prior written consent of the Testing Laboratory.
4. The Orderer using this Test Certificate is responsible for the conformity between the product and sample submitted for testing.

**DETAILED TESTING RESULTS**Climate conditions: temperature  $(23 \pm 2) ^\circ\text{C}$ ; humidity  $(50 \pm 5) \%$ ; time 24 hTesting conditions: temperature  $24 ^\circ\text{C}$ ; humidity 53 %**Preparation of test samples:**

the upholstery fabric, exposed to wetting in water and drying procedure, in accordance with Appendix D of the PN-EN 1021-1:2014-12 standard.

**Upholstery composite characteristic:**

Upholstery composite:

- T-3037 polyurethane foam, self-extinguished

| Criteria             |                                                      | Cigarette |    |   | Remarks                                                          |
|----------------------|------------------------------------------------------|-----------|----|---|------------------------------------------------------------------|
|                      |                                                      | 1         | 2  | 3 |                                                                  |
| Smouldering criteria | Unsafe escalating combustion                         | NO        | NO | - | Maximum cigarette smouldering time:<br><br>17 minutes 44 seconds |
|                      | Test assembly consumed                               | NO        | NO | - |                                                                  |
|                      | Smoulders to extremities                             | NO        | NO | - |                                                                  |
|                      | Smoulders through thickness                          | NO        | NO | - |                                                                  |
|                      | Smoulders more than 1 hour                           | NO        | NO | - | Maximum upholstery composite destruction:                        |
|                      | In final examination, presence of active smouldering | NO        | NO | - |                                                                  |
| Flaming criteria     | Occurrence of flames                                 | NO        | NO | - | horizontal [mm]                                                  |
|                      |                                                      |           |    |   | vertical [mm]                                                    |
|                      |                                                      |           |    |   | length width depth length width depth                            |
|                      |                                                      |           |    |   | 72 10 10 69 17 7                                                 |

**Result of testing:** Neither progressive smouldering ignition nor flaming ignition occurred.

END OF THE TEST CERTIFICATE