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Fire Technical Laboratory

**AUTHORIZED
BODY**

**NOTIFIED
BODY**

CLASSIFICATION OF REACTION TO FIRE IN ACCORDANCE WITH ČSN EN 13501-1:2019

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Product name: 3705-0006-G, Aero

**Classification
report No.:** PK-21-183

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This classification report consists of 4 pages and may only be used or reproduced in its entirety.

1. DETAILS OF CLASSIFIED PRODUCT

Nature and end use application:

The product 3705-0006-G, Aero is defined as a type of fabric without a closer end-use specification.

Description:

The product 3705-0006-G, Aero is fully described in the test reports in support of the classification listed in clause 2.

2. TEST REPORTS AND TEST RESULTS IN SUPPORT OF THIS CLASSIFICATION

Test reports

| Name of laboratory | Name of sponsor | Test report ref. no. | Test method |
|---|-----------------|----------------------|--------------------|
| ITC a.s., Divize CSI, Fire technical laboratory | A. Berger GmbH | 21/P592 | ČSN EN ISO 11925-2 |
| | | 21/P593 | ČSN EN 13823 |

Measured values and test results:

| Test method | Parameter | Number of test | Results | |
|---|--|----------------|-------------------------------|------------------------|
| | | | Continuous parameter mean (m) | Compliance parameters |
| ČSN EN ISO 11925-2 exposition = 30 s | $F_s \leq 150 \text{ mm}^{(1)}$ ignition of filter paper ⁽¹⁾ | 6 | yes | yes (B - D) |
| | | 6 | no | no (d0) |
| | $F_s \leq 150 \text{ mm}^{(2)}$ ignition of filter paper ⁽²⁾ | 6 | yes | yes (B - D) |
| | | 6 | no | no (d0) |
| ČSN EN 13823 | $FIGRA_{0,2 \text{ MJ}} \text{ (W/s)}$ | 3 | 0 | $\leq 120 \text{ (B)}$ |
| | $LFS < \text{edge}$ | 3 | yes | yes (B, C) |
| | $THR_{600 \text{ s}} \text{ (MJ)}$ | 3 | 0,4 | $\leq 7,5 \text{ (B)}$ |
| | $SMOGRA \text{ (m}^2/\text{s}^2)$ | 3 | 0 | $\leq 30 \text{ (s1)}$ |
| | $TSP_{600 \text{ s}} \text{ (m}^2)$ | 3 | 10,9 | $\leq 50 \text{ (s1)}$ |
| | flaming droplets / particles | 3 | no | no (d0) |

⁽¹⁾: surface flame attack

⁽²⁾: edge flame attack

3. CLASSIFICATION AND DIRECT FIELD OF APPLICATION

Reference and direct field of application

This classification has been carried out in accordance with the clause 11.6, 11.9.2 and 11.10.1 of ČSN EN 13501-1:2019.

Classification

The product *3705-0006-G, Aero*, in relation to its reaction to fire behaviour is classified:

B

The additional classification in relation to smoke production is:

s1

The additional classification in relation to flaming droplets/particles is:

d0

The format of the reaction to fire classification for *3705-0006-G, Aero* is:

| Fire behaviour | | Smoke production | | | | Flaming droplets | |
|----------------|---|------------------|---|---|---|------------------|--|
| B | - | s | 1 | , | d | 0 | |

Reaction to fire classification: B-s1, d0

Field of application:

This classification is valid for the following end use conditions:

- without substrate

4. LIMITATIONS

Restrictions

This classification report is valid, provided that the technical specifications of the product will not be changed.

Warning

This document does not represent type approval or certification of the product.

Prepared:

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Reviewed:

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head of laboratory