



Testing laboratory No. 1595  
accredited by ČIA  
according to ČSN EN ISO/IEC 17025: 2005



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## Test report No. 608/2018

|                                |  |
|--------------------------------|--|
| Client:                        | Zemědělské družstvo Haňovice, PLASTY MLADEČ, Haňovice 18, 78321 Chudobín<br>IČO: 00147346, DIČ: CZ00147346 |
| Client order:                  | Obj/22/03/2018/PRI/464/I   |
| In-house order:                | TP 1013/2018   |
| Application form               | 1802848  |
| Test material:                 | PETG EB022 + flame retardant B65AM   |
| Detailed description:          | xxx  |
| Form of material:              | test specimens - sampled and delivered by customer   |
| Preparation of samples:        | xxx  |
| In-house No. of sample:        | 1802848  |
| Date of receipt of the sample: | 23.03.2018   |

| Tests                               | Test specifications                         |
|-------------------------------------|---|
| Horizontal and vertical flame tests | UL 94 art. 7,8,9<br>ČSN EN 60695-11-10 ed.2 |

| Test No.15  | Horizontal and vertical flame tests - 50W (20mm) vertical burning test V-0, V-1, V-2   |
|---|--|
| Test standard:  | UL 94  |
| Test equipment:   | Chamber Atlas HVUL2  |
| Ignition source:  | burner with an inner diameter 9.5 mm   |
|   | The gas used: Methane 2.5  |
| Test conditions:  | blue flame height 20 mm, the exposure time 2 x 10s   |
|   | fume hood has not been used  |
|   | temperature: 22,5°C      relative humidity: 47,5%  |
| Description of the sample (sample type, the color, the location in the product, the number of samples tested) | test specimens of white color 125x13x3mm, 10 pieces  |
| Conditioning of samples:  | 5 pieces - 48 hours in the climate chamber at 23±2°C and 50±5% relative humidity;<br>5 pieces -168 ±2 hours in the hot air oven at 70±2°C and cooled in dessicator min.<br>4 hours at room temperature |
| Conditioning of cotton indicator:   | 24 hours in dessicator at 23±2°C   |
| deviations from the standard:   | xxx  |
| Test progress:  | The test specimens do not burn after the first or second application of the flame.<br>The material does not drip and does not ignite the absorbent cotton.   |

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| Number of test specimen:                 | Afterflame time after the first flame application<br>$t_1$ (s) | Afterflame time after the second flame application<br>$t_2$ (s) | Afterflame plus afterglow time after the second flame application<br>$t_2+t_3$ (s) | afterflame up to the holding clamp:<br>YES - NO | flaming particles or drops:<br>YES - NO | cotton indicator ignited by flaming particles or drops:<br>YES - NO |
|--|--|---|--|---|---|---|
| specimens conditioned in climate chamber |  |   |  |   |   |   |
| 1  | 0  | 0   | 0  | NO  | NO                                      | NO  |
| 2  | 0  | 0   | 0  | NO  | NO                                      | NO  |
| 3  | 0  | 0   | 0  | NO  | NO                                      | NO  |
| 4  | 0  | 0   | 0  | NO  | NO                                      | NO  |
| 5  | 0  | 0   | 0  | NO  | NO                                      | NO  |
| specimens conditioned in hot air oven    |  |   |  |   |   |   |
| 1  | 0  | 0   | 0  | NO  | NO                                      | NO  |
| 2  | 0  | 0   | 0  | NO  | NO                                      | NO  |
| 3  | 0  | 0   | 0  | NO  | NO                                      | NO  |
| 4  | 0  | 0   | 0  | NO  | NO                                      | NO  |
| 5  | 0  | 0   | 0  | NO  | NO                                      | NO  |
| Classification:                          |  | <b>V-0</b>  |  |   |   |   |
| Tested by:                               | Zapletalová, Dostálová   | Date:   | 26.3.2018, 3.4.2018  |   |   |   |
| Test evaluated by:                       | Zapletalová, Dostálová   | Date:   | 26.3.2018, 3.4.2018  |   |   |   |

**Results**

Test results are determined as arithmetic average with standard deviation or expanded standard uncertainty with the coverage factor  $k=2$  corresponding to a level of confidence of 95,45 %.

**Declaration:**

Test results relates only to the test subject.

Laboratory is not responsible for sampling and for sample preparations done by customer


Protocol can not be reproduced other than entire.

All results are metrologically traceable.

Test report was created and approved by:

In Bohuslavice:

23.07.2018

  
Eva Kovářová  
Laboratory manager

