

(Textile Testing Institute)
Václavská 6, 65841 Brno, Česká republika

TESTING LABORATORY NO. 1001
accredited according to EN ISO/IEC 17025:2005 by the Czech Accreditation Institute

TEST REPORT

AZL 17 / 0168

CUSTOMER : LANEX a.s.
Hlučínská 1/96
747 23 Bolatice

SAMPLE : High-strength polypropylene multifilament yarn
(according to the customer order)

SUBJECT OF ASSESSMENT : Burning behaviour

**CONDITIONS OF
APPLICATION OF THE TEST
REPORT :**

The Protocol contains result of the tests related to the submitted sample only. The Protocol may not be reproduced in the way other than as a complete set. Reproduction of certain parts of the Protocol is subject to approval of the test laboratory, which has issued it. All information about subcontracted tests results or unaccredited test methods are presented in text part of the test report.

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PROCEDURE OF ASSESSMENT**Burning behaviour of fabrics**

was determined according to **FMVSS 302**

- Conditioning 24 h: Temperature $(23 \pm 2)^{\circ}\text{C}$, Relative humidity $(50 \pm 6) \%$
- Standard atmosphere for testing: Relative humidity 48%, Temperature: 22°C
- Dimensions of the sample: 356 x 20 mm in the form of a strap
- Gas burner: Bunsen
- Flame height: 38 mm (19 + 19)
- Used gas: methane
- Time of flame application: 15 s
- Position sample: horizontal, specimen face side towards flame
- Number of test samples: 3
- Supporting wires for sample fitting during test were used.
- Time measuring equipment: stopwatch No. 100133.
- Active flue gas was used during the test.

TEST RESULTS:

High-strength polypropylene multifilament yarn				
Characteristic	Test method	Values found		
Burning behaviour		Burning time	Burning length	Burning rate
• direction endlong		(s)	(mm)	(mm/min)
- sample no.1	FMVSS 302	145	160	66,2 *
- sample no.2		180	254	84,7 **
- sample no.3		27	30	0 ***

* self extinguishing (flame travel >50 mm)

** burning rate (burning over the entire measuring length)

*** self extinguishing (flame travel ≤ 50 mm, flame exposure <60s)

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