



Centrum stavebního inženýrství a.s.

Fire Technical Laboratory

AUTHORIZED
BODY No. 212

NOTIFIED
BODY No. 1390

CLASSIFICATION OF REACTION TO FIRE IN ACCORDANCE WITH ČSN EN 13501-1+A1:2010



Product name: *POLYTEX FR*

**Classification
report No.:** PK-13-057

Issue number: 1/2

Date of issue: 26th June 2013

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1. DETAILS OF CLASSIFIED PRODUCT

Nature and end use application:

The product, *POLYTEX FR*, is defined as a type of product for manufacturing of tents, inflatable objects, furniture covers and advertising banners.

Description:

The product *POLYTEX FR* 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
CSI a.s., Fire technical laboratory	[REDACTED]	16529 - 1/3	ČSN EN ISO 11925-2
		16529 - 2/3	
		16530 - 1/3	
		16530 - 2/3	
		16529 - 3/3	ČSN EN 13823
		16530 - 3/3	

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 surface flame attack	$F_s \leq 150 \text{ mm}^{(1)}$	6	yes	yes (B - D)
	ignition of filter paper ⁽¹⁾	6	no	no (d0)
	$F_s \leq 150 \text{ mm}^{(2)}$	6	yes	yes (B - D)
	ignition of filter paper ⁽²⁾	6	no	no (d0)
ČSN EN ISO 11925-2 exposition = 30 s edge flame attack	$F_s \leq 150 \text{ mm}^{(1)}$	6	yes	yes (B - D)
	ignition of filter paper ⁽¹⁾	6	no	no (d0)
	$F_s \leq 150 \text{ mm}^{(2)}$	6	yes	yes (B - D)
	ignition of filter paper ⁽²⁾	6	no	no (d0)
ČSN EN 13823 ⁽¹⁾	$FIGRA_{0,2 \text{ MJ}} \text{ (W/s)}$	3	8,1	$\leq 120 \text{ (B)}$
	$LFS > \text{edge}$	3	no	no (B,C)
	$THR_{600 \text{ s}} \text{ (MJ)}$	3	1,3	$\leq 7,5 \text{ (B)}$
	$SMOGRA \text{ (m}^2/\text{s}^2)$	3	3,9	$> 30 \text{ (s1)}$
	$TSP_{600 \text{ s}} \text{ (m}^2)$	3	59,2	$> 200 \text{ (s2)}$
	flaming droplets / particles	3	no	no (d0)
ČSN EN 13823 ⁽²⁾	$FIGRA_{0,2 \text{ MJ}} \text{ (W/s)}$	1	8,6	$\leq 120 \text{ (B)}$
	$LFS > \text{edge}$	1	no	no (B,C)
	$THR_{600 \text{ s}} \text{ (MJ)}$	1	1,0	$\leq 7,5 \text{ (B)}$
	$SMOGRA \text{ (m}^2/\text{s}^2)$	1	0	$> 30 \text{ (s1)}$
	$TSP_{600 \text{ s}} \text{ (m}^2)$	1	31,1	$> 50 \text{ (s1)}$
	flaming droplets / particles	1	no	no (d0)

⁽¹⁾: Fabric POLYTEX FR without printing

⁽²⁾: Printed fabric POLYTEX FR

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, 11.9.3 and 11.10.1 of ČSN EN 13501-1+A1:2010.

Classification

The product *POLYTEX FR*, in relation to its reaction to fire behaviour is classified:

B

The additional classification in relation to smoke production is:

s2

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

d0

The format of the reaction to fire classification for *POLYTEX FR* is:

Fire behaviour		Smoke production				Flaming droplets	
B	-	s	2	,	d	0	

Reaction to fire classification: B-s2, d0

Field of application:

This classification is valid for the following product parameters:

- thickness: (0,3 ± 0,05) mm
- colour: without limitation

This classification is valid for the following end use conditions:

- without substrate
- printed and not printed fabric

4. LIMITATIONS

Restrictions

This classification report is valid until 26th June 2018, 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.

