



Institut pro testování a certifikaci, a.s.
Divize CSI - Centrum stavebního inženýrství

Fire Technical Laboratory

**AUTHORIZED
BODY**

**NOTIFIED
BODY**

CLASSIFICATION OF REACTION TO FIRE IN ACCORDANCE WITH EN 13501-1:2018

Applicant: Zimmer + Rohde GmbH
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Product name: *Molton-S, art. 11066*

**Classification
report No.:** PK-26-106

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1. DETAILS OF CLASSIFIED PRODUCT

Nature and end use application:

The product, *Molton-S*, art. 11066, is defined as a type of fabric for decorations in theatres, exhibitions, etc.

Description:

The product *Molton-S*, art. 11066 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, AZL 1007.4	Zimmer + Rohde GmbH	26/P248-1	EN ISO 11925-2
		26/P249-1	EN 13823

Measured values and test results:

Test method	Parameter	Number of test	Results	
			Continuous parameter mean (m)	Compliance parameters
EN ISO 11925-2 exposition = 30 s surface exposure	$F_s \leq 150$ mm ignition of filter paper	6	yes	yes (B - D)
		6	no	yes (d2)
EN ISO 11925-2 exposition = 30 s edge exposure	$F_s \leq 150$ mm ignition of filter paper	6	yes	yes (B - D)
		6	no	yes (d2)
EN 13823	$FIGRA_{0,2 MJ}$ (W/s)	3	89,4	≤ 120 (B)
	$LFS < edge$	3	yes	yes (B,C)
	$THR_{600 s}$ (MJ)	3	1,2	$\leq 7,5$ (B)
	$SMOGRA$ (m ² /s ²)	3	0	≤ 30 (s1)
	$TSP_{600 s}$ (m ²)	3	12,6	≤ 50 (s1)
	flaming droplets / particles	3	no	no (d0)

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 EN 13501-1:2018.

Classification

The product *Molton-S, art. 11066*, 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 *Molton-S, art. 11066* 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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