

Test report no. 165130

1. issue dated 17.01.2017

Sponsor: JP Air Tech
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DÄNEMARK

Order from: 08.11.2016 – Mads Bojda

Order: Test report of the fire behaviour according to DIN 4102-1: 1998-05, fire class B2, of coated polyester filter medium „JX260FR“

Note: In Germany this test report can be used only for a building material, not for a building product. For sale on the German market, other special papers according to the German “Landesbauordnung” are needed in addition. This test report can be used for these special papers.

This test report consists of 3 pages.



The test report shall be published unabridged. Any partial publishing requires written allowance by the testing institute. The test results refer only to the tested material.

1 Test material

1.1 Sampling and delivery

sampling: -/ by orderer
 delivery: 10.11.2016
 number of samples: 1 piece of coated filter medium
 dimensions: 1 m²

1.2 Information about the samples

name: „JX260FR“
 constituents: 100 % polyester filter medium with flame retardant treatment

2 Determination of thickness and weight per unit area

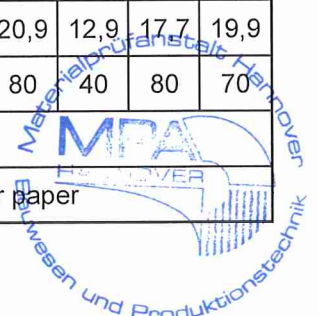
thickness	0,6	mm
weight per unit area	299	g/m ²

3 Single-flame source test

The tests were carried out as edge flame attacks according to DIN 4102-1: 1998-05 clause 6.2.5.2 and as surfront flame attacks according to DIN 4102-1: 1998-05 clause 6.2.5.3.

flame application time: 15 s
 observation time: 20 s
 number of tests: 20
 date of tests: 29.11.2016

position of flame application	edge flame impingement					surfront flame impingement					
	1	2	3	4	5	6	7	8	9	10	
specimen no.											
direction	length-wise										
side	front		back			front		back			
ignition occurs after	s	0,4	0,3	0,7	0,4	0,4	1,6	1,5	2,2	1,7	1,2
duration of flames	s	8,5	10,5	7,8	13,5	9,0	16,5	20,9	12,9	17,7	19,9
max. vertical flame spread	mm	70	60	60	70	50	80	80	40	80	70
smoke production	moderate										
flaming droplets/particles	no ignition of the filter paper										



position of flame application	edge flame impingement					surfront flame impingement					
specimen no.	11	12	13	14	15	16	17	18	19	20	
direction	cross-wise										
side	front		back		front		back				
ignition occurs after	s	0,6	0,8	0,4	0,6	0,4	1,4	1,3	1,5	1,2	1,7
duration of flames	s	13,8	14,0	26,9	9,9	13,8	15,7	19,9	19,2	18,1	16,7
max. vertical flame spread	mm	70	50	50	50	40	70	80	70	70	80
smoke production	moderate										
flaming droplets/particles	no ignition of the filter paper										

Requirement of class B2: max. vertical flame spread < 150 mm

4 Classification

The product „JX260FR“ with a weight per unit area of 299 g/m² in relation to its reaction to fire behaviour is classified:

DIN 4102-1 – B2

During the tests no flaming droplets/particles according to DIN 4102-1, clause 6.2.6 occurred.

5 Notes

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This test report can be used for these special papers.

The validity of this test report expires on 31.01.2022.

Hannover, 17.01.2017

Head of fire laboratory



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Technician



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