

Decibel by Johanson

Anders Anderssons väg 7

285 35 MARKARYD

Ignitability according to EN ISO 11925-2

(1 appendix)

Introduction

RISE has by request of Johanson Design AB performed a fire test according to EN ISO 11925-2. The purpose of the test is to form a basis for technical fire classification.

Product

According to the client: Product called "Eggbox", consisting of 70 % Polyester and 30 % Hemp. The product has a nominal area weight of 1500 g/m², and tested thickness is ~6.5 mm.

Manufacturer

Decibel by Johanson, Markaryd, Sweden.

Sampling

The sample was delivered by the client. It is not known to RISE, Fire and Safety if the product received is representative of the mean production characteristics.

The sample was received on July 5, 2022 at RISE, Fire and Safety.

Test results

The product was tested with surface exposure and edge exposure.

The test results are given in appendix 1.

The test results relate to the behaviour of the test specimens of a product under the particular conditions of the test; they are not intended to be the sole criterion for assessing the potential fire hazard of the product in use.

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Confidentiality level

C3 - Sensitive

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Note

The accreditation referred to is valid for EN ISO 11925-2.

**RISE Research Institutes of Sweden AB
Fire and safety - Reaction to Fire Material Lab**

Performed by

Examined by

Henrik Fredriksson

Per Thureson

Appendix

1. Test results

Appendix 1

Test results – EN ISO 11925-2:2020**Product**

According to the client: Product called “Eggbox”, consisting of 70 % Polyester and 30 % Hemp. The product has a nominal area weight of 1500 g/m², and tested thickness is ~6.5 mm.

Test preparation

The specimen was tested free hanging.

Application

Edge exposure. Flame exposure time was 15 seconds.

Test results

Test no	1	2	3	4	5	6
Direction	↑	↑	↑	→	→	→
The sample ignited, s	2	2	3	2	1	2
The flames reach 150 mm, s	-*	-*	-*	-*	-*	-*
Flaming droplets/particles	No	No	No	No	No	No
Time when filter paper ignited, s	-	-	-	-	-	-

*Flaming ceased before the flame tip reached 150 mm.

Appendix 1

Application

Surface exposure. Flame exposure time was 15 seconds.

Test results

Test no	1	2	3	4	5	6
Direction	↑	↑	↑	→	→	→
The sample ignited, s	NI	NI	NI	NI	NI	14
The flames reach 150 mm, s	-	-	-	-	-	-*
Flaming droplets/particles	No	No	No	No	No	No
Time when filter paper ignited, s	-	-	-	-	-	-

NI = No ignition.

*Flaming ceased before the flame tip reached 150 mm.

Conditioning

According to EN 13238:2010.

Temperature (23 ± 2) °C.

Relative humidity (50 ± 5) %.

Date of test

August 10, 2022.