SYCHTA LABORATORIUM Sp. J.
Laboratorium Badań Palności Materiałów
ul. Ofiar Stutthofu 90
72-010 Police

AB 1501

TEST REPORT

Order no: ZD/1/07/2021 Signature: SL/Z-482/PN1021/507a/2021 Police, 16.07.2021

Test methods:

1. EN 1021-1:2014 Furniture – Assessment of the ignitability of upholstered furniture – Part 1: Ignition sours smouldering cigarette
2. EN 1021-2:2014 Furniture – Assessment of the ignitability of upholstered furniture – Part 2: Ignition sours match flame equivalent

Content of request: Flammability tests according to EN 1021-1 and EN 1021-2

Sponsor: MK Seats Sp. z o.o.
Dolnik 33
77-430 Krajenka
Poland

Material: Upholstery set

Composition:
- leather NAPPA PRIMA
- rubex foam
- blocker F110 – 130

Manufacturer/supplier: MK Seats Sp. z o.o.
Dolnik 33
77-430 Krajenka
Poland

Assessment: No ignition occurred during the tests.
The tested product pass the tests according to EN 1021-1:2014 and EN 1021-2:2014.

The reprint and the copying: only with the agreement MK Seats Sp. z o.o.

Without the written consent of the Sychta Laboratory the report can be copied only in one piece.

Report applies only to the sample tested and is not necessarily indicative of the qualities of apparently identical or similar products.

Content of test report: three pages with signature and numbers.

1. Assessment of the ignitability of upholstered furniture

1.1. Smouldering cigarette

Smouldering criteria	1	2	3[1]	Comments
Unsafe escalation combustion (3.1 a)	NO	NO	-	no ignition
Test assembly consumed (3.1 b)	NO	NO	-	
Smoulders to extremities (3.1 c)	NO	NO	-	
Smoulders through thickness (3.1 c)	NO	NO	-	
Smoulders more than 1 h (3.1 d)	NO	NO	-	
In final examination, presence of progressive smouldering (3.1e)	NO	NO	-	
Flaming criteria				
Occurence of flames (3.2)	NO	NO	-	
[1] Record the results for cigarette 3 if applied. Enter 'YES' if criteria exceeded or 'NO' if criteria not exceeded				

1.2. Ignition source match flame equivalent

Smouldering criteria	1	2	3	Comments
Unsafe escalation combustion (3.1 a)	NO	NO	NO	no ignition
Test assembly consumed (3.1 b)	NO	NO	NO	
Smoulders to extremities (3.1 c)	NO	NO	NO	
Smoulders through thickness (3.1 c)	NO	NO	NO	
Smoulders more than 1 h (3.1 d)	NO	NO	NO	
In final examination, presence of progressive smouldering (3.1e)	NO	NO	NO	
Flaming criteria				
Unsafe escalation combustion (3.2 a)	NO	NO	NO	
Test assembly consumed (3.2 b)	NO	NO	NO	
Smoulders to extremities (3.2 c)	NO	NO	NO	
Smoulders through thickness (3.2 c)	NO	NO	NO	
Smoulders longer than 120 s (3.2 d)	NO	NO	NO	
Enter 'YES' if criteria exceeded or 'NO' if criteria not exceeded				

Remarks: no.

Fig. 1. View of the upholstery set after the test

2. Assessment

Test methods:	Measured value	Results	Requirements	Classifications
EN 1021-1	Progressive shouldering	NO	NO	hardly ignitable
	Burning with flame	NO	NO	
EN 1021-2	Progressive shouldering	NO	NO	
	Burning with flame	NO	NO	

No ignition occurred during the tests.
The tested product pass the tests according to EN 1021-1:2014 and EN 1021-2:2014.

3. Remaining required information

Sampling: sponsor took and delivered samples.

Date of receipt of samples: 13.07.2021

Sample description: Sponsor delivered one sample of natural leather of the black colour, with dimensions of 600x895 mm, thickness of 1,5 mm and weight per unit area 980 g/m^2; one sample of fire blocker fabric of the black color, with dimensions of 610-620x885-895 mm, thickness of 1,0 mm and weight per unit area 120 g/m^2; also one white foam in the shape of seat with dimensions of 360-530x450-500x60-100 mm and 781,5 g weight. Laboratory prepared upholstery set for the tests.

Conditioning of specimens: seasoning samples of material by 24 h in temperature 23 ± 2 °C and humidities 50 ± 5 %.

A procedure of impregnating upholstery materials with water was applied: ~~yes~~/not

Declarations:

1. The test results relate to the behaviour of the test specimens under the particular conditions of the test; they are not intended to be the sole criterion for assessing the potential fire hazard of the products in use.
2. The information provided on the first page of the report concerning the scope of research and identification of the tested object/objects were provided by the Sponsor.

Operator:

mgr Nataliia Kalishchuk

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Approved by:

KIEROWNIK TECHNICZNY
dr inż. Krzysztof Sychta

Date and place of test - 16.07.2021, Police