

TEST REPORT OF THE RESULTS OF TESTING EMISSION OF TOXIC PRODUCTS OF DECOMPOSITION AND COMBUSTION OF MATERIALS

IBR/Z-057-2016

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Szczecin, 01-08-2016

Test method:

TESTING EMISSION OF TOXIC PRODUCTS OF DECOMPOSITION AND COMBUSTION OF MATERIALS acc. PN-B-02855:1988.

Sponsor: Nowy Styl Sp. z o.o.
ul. Pużaka 49
38-400 Krosno, Poland

Material: Headrest of OSCAR chair.

Composition: Cover of headrest: beech plywood;
Pillow headrest: beech plywood, CM24 foam, CMHR 4038 foam, Simalfa 321 glue, VELTONE fabric;

Manufacturer /supplier: Nowy Styl Sp. z o.o.
ul. Pużaka 49
38-400 Krosno, Poland

Toxicity indicator

Decomposition temperature	W _{LC50}						W _{LC50M}	W _{LC50SM}
	CO	CO ₂	HCN	NO ₂	HCl	SO ₂		
	g/m ³	g/m ³	g/m ³	g/m ³	g/m ³	g/m ³		
450 °C	50	990	358	16977	346	3349	36.7	25.9
550 °C	30	159	35	10736	266	1648	13.6	
750 °C	142	94	68	1907	309	3731	27.5	

The method for determining the uncertainty of measurement: The relative standard uncertainty does not exceed 30% of the normative

Compliance with the requirements: **toxic products** of decomposition and combustion of materials. Materials are considered to meet requirement for toxicity products of decomposition and combustion of materials in compliance with polish regulations (Dz.U. [Journal of Laws] from 2002, No. 75, item 690, as amended).

The clauses of test report validity: Report applies only to the sample tested and is not necessarily indicative of the qualities of apparently identical or similar products.

The reprint and the copying: only with the agreement Nowy Styl Sp. z o.o.

Without the written consent of the Laboratorium Badań Cech Pożarowych Materiałów Zachodniopomorski Uniwersytet Technologiczny in Szczecin the report can be copied only in one piece.

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AB 304

TESTING LABORATORY
ACCREDITED BY
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ACCREDITATION
No. AB 304

INTERNATIONAL
MARITIME
ORGANIZATION
LIST OF RECOGNIZED
TEST LABORATORIES
Doc. SSE 1/Circ.1/Rev.2
2015

POLISH REGISTER OF
SHIPPING,
APPROVAL
CERTIFICATE
No. TT/2/710405/15



Characteristic emission of toxic products of decomposition and combustion of materials

1. Emission of toxic products of decomposition and combustion of materials

Decomposition temperature		Characteristic emission of toxic products					
		CO	CO ₂	HCN	NO ₂	HCl	SO ₂
		g/g	g/g	g/g	g/g	g/g	g/g
450 °C	Specimen no 1	0.080	0.214	0.000	0.000	0.003	0.000
	Specimen no 2	0.072	0.183	0.000	0.000	0.003	0.000
	Specimen no 3	-	-	-	-	-	-
	Average	0.076	0.198	0.000	0.000	0.003	0.000
550 °C	Specimen no 1	0.113	1.355	0.005	0.000	0.004	0.000
	Specimen no 2	0.139	1.113	0.004	0.000	0.004	0.000
	Specimen no 3	-	-	-	-	-	-
	Average	0.126	1.234	0.005	0.000	0.004	0.000
750 °C	Specimen no 1	0.025	2.179	0.002	0.000	0.003	0.000
	Specimen no 2	0.028	2.009	0.002	0.000	0.003	0.000
	Specimen no 3	-	-	-	-	-	-
	Average	0.026	2.094	0.002	0.000	0.003	0.000

Other relevant observations: nothing of importance

Other information:

Sampling for testing: test samples obtained and delivered by the Employer

Date of receipt of samples: 29-07-2016

Declaring: The results of investigation treat to behaviour of samples to investigations of product in special conditions of investigation; they can not intended as a means of assessing the full potential the fire hazard of the materials or products in use.

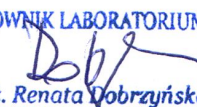
Performer of tests:



Renata Dobrzyńska

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An authorizer report:

KIEROWNIK LABORATORIUM

dr inż. Renata Dobrzyńska

Date and place of test - 30.07 ÷ 01.08.2016, Szczecin