



TEST REPORT OF EMISSION OF TOXIC PRODUCTS OF DECOMPOSITION AND COMBUSTION OF MATERIALS

IBR/Z-099-2017

Signature No: TZ/PN2855a/061/2018

Szczecin, 29-03-2018

Test method:

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

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

Material: Upholstered sets of chairs: OSCAR, OSCAR VIP, OSCAR LEVI, HARRISON, QUENTIN, MONTGOMERY, TIAGO, NEWTON, UNIT, PABLO, POLYPHONY.

Composition: Elastoflex 5165/139 foam, Tana upholstery fabric.

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

Toxicity indicators

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	34	890	319	11822	504	233	25.1	18.7
550 °C	42	88	92	2810	168	368	18.1	
750 °C	27	79	99	3115	149	90	12.9	

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.3/Rev.1
2018

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SHIPPING,
APPROVAL
CERTIFICATE
No. TT/2/710405/18



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	0.107	0.230	0.000	0.000	0.002	0.003
	Specimen no 2	0.112	0.211	0.001	0.000	0.002	0.003
	Specimen no 3	-	-	-	-	-	-
	Average	0.110	0.221	0.001	0.000	0.002	0.003
550 ° C	Specimen no 1	0.094	2.338	0.002	0.000	0.006	0.002
	Specimen no 2	0.085	2.121	0.002	0.000	0.006	0.002
	Specimen no 3	-	-	-	-	-	-
	Average	0.090	2.229	0.002	0.000	0.006	0.002
750 ° C	Specimen no 1	0.140	2.504	0.002	0.000	0.007	0.008
	Specimen no 2	0.136	2.468	0.002	0.000	0.006	0.007
	Specimen no 3	-	-	-	-	-	-
	Average	0.138	2.486	0.002	0.000	0.007	0.008

Other relevant observations: nothing of importance

Other information:

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

Date of receipt of samples: 01-12-2017.

Detail of specimen conditioning: temperature: 23 ± 2°C, relative humidity: 50 ± 5 %.

The tests was done on upholstery sets representative of the finished product – Elastoflex 5165/139 foam of BASF system (injection mass 1500) and TANA2 08 + 2,5MM FOAM & NET upholstery fabric.

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 - 07 ÷ 21-03-2018, Szczecin