

BOSMAL®

BOSMAL Automotive Research and Development Institute Ltd

TESTING LABORATORIES

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Materials Testing Department**Plastics, Rubber & Coatings Laboratory**

AB 128

TEST REPORT**Number:** BOS/6962/BM/22**Date:** 13.12.2022**Subject:** Flammability test**Ordered by:** REBONDEX Sp. z o. o./Name and address/ Słupia ul. Słoneczna 30
63-604 Baranów

ORDER		TESTING	
Number	Date	Commenced	Completed
email	22.11.2022	02.12.2022	06.12.2022

Written by:Justyna Kulec
/First name, last name/

/Signature/
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/First name, last name/

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Report contains:**3 pages****CHECKED BY:**KIEROWNIK ZAKŁADU
Materiałoznawstwa

13.12.2022

dr inż. Krzysztof Broczak

/Stamp, Date, Signature/

Instytut Badań i Zróżnicowania

BOSMAL Sp. z o.o.

Prezes Zarządu

DYREKTOR ds. BADAŃ

dr inż. Piotr Świętek

14.12.2022

/Stamp, Date, Signature/

Report to:

N° 1	Customer (Polish)	N° 7	
N° 2	NRP BOSMAL (Polish)	N° 8	
N° 3	BMT BOSMAL (Polish)	N° 9	
N° 4	Customer (English)	N° 10	
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N° 6	BMT BOSMAL (English)	N° 12	

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1. DESCRIPTION AND IDENTIFICATION OF TESTED PART

Rebounded Foam (Fig. 1)

Apparent Density:	140 kg/m ³
Color / number of color:	N/A
Composite material:	NO
Number of layer:	N/A
Quantity:	~2 running meter, thickness: 9.8...11.8 mm
Delivered by Customer on:	22.11.2022

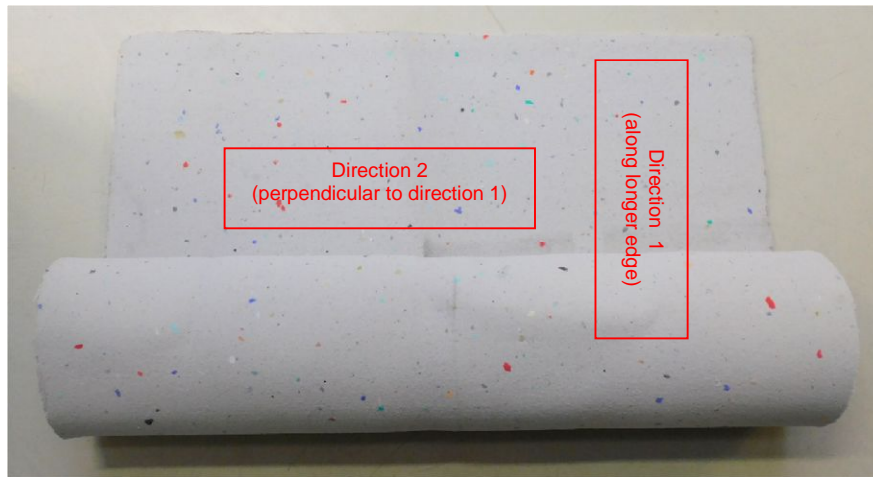


Fig. 1 View of tested item with mark cutting of samples – red frames

2. RANGE OF THE TEST

Flammability Test according to / for compliance with FMVSS 302:1999

3. TEST DESCRIPTION AND RESULTS

3.1 Specification of test and measurement apparatus

Testing and measuring apparatus:

X/1169/BMT - combustion chamber WAZAU BKF	calibration 10.2019, next calibration 10.2024,
E/0695/KPW - electronic stop watch	calibration 09.2021, next calibration 09.2023,
A/1143/BMT - slide caliper	calibration 10.2022, next calibration 10.2024,
X/1412/BMT - climatic chamber	calibration 07.2022, next calibration 07.2023.

3.2 DESCRIPTION AND TEST RESULTS

3.2.1 Results of test is presented in the Table 1.

samples ~(100x356x9.8...11.8 mm) were cut from delivery item and marking:

1...5 – Direction 1; 6...10 – Direction 2 (perpendicular to Direction 1)

Conditioning prior the test: 24 h / 21°C, 50% RH.

Flammability test has been performed without wire support.

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Table 1

Sample no.	Requirements [mm/min]	Measurement results			Conformity statement ¹⁾
		Burning length [mm]	Burning time [s]	Burning rate [mm/min]	
Direction 1					
1	max 102 mm/min	0	–	– ⁽²⁾	OK
2		0	–	– ⁽²⁾	
3		0	–	– ⁽²⁾	
4		0	–	– ⁽²⁾	
5		0	–	– ⁽²⁾	
Direction 2 (perpendicular to Direction 1)					
6	max 102 mm/min	0	–	– ⁽²⁾	OK
7		0	–	– ⁽²⁾	
8		0	–	– ⁽²⁾	
9		0	–	– ⁽²⁾	
10		0	–	– ⁽²⁾	

NOTES:

⁽¹⁾ Conformity statement is based on Simple Acceptance Rule (according to ISO/IEC Guide 98-4 and ILAC -G8:09/2019).

⁽²⁾ The test specimen extinguishes after the flame is removed

End of Test Report.