

CREPIM

Société par Actions Simplifiée -792 178 816 R.C.S. ARRAS
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SIRET 792.178.816.00015 / APE 7112B / T.V.A. FR85 792 178 816

CLASSIFICATION REPORT FOR FIRE BEHAVIOUR OF A MATERIAL

Validity 5 years from 12th February 2018

According to the Decree of 21st of November 2002 on the reaction to fire performance of construction and furniture
Laboratory approved by Ministry of Interior (Decree of 23/03/2010 amending the decree of 05/02/1959 as amended)

« En cas de litige, seule l'édition originale en français du présent procès-verbal fait foi »

Non official Certificate
English translation of attached official Procès-Verbal
n°1677/17/342 C

And annex of 3 pages

Material submitted by: ARMACELL
Rue des Trois Entités, 9 Z.I. Les Plenesses
B-4890 Thimister-Clermont
Belgium

Commercial reference: ArmaFORM PET FR100

Brief description: PET foam made by extrusion. Manufacturing batch number: VB17/073.3.
Field of application: Railway
Total nominal thickness: 20 mm.
Nominal density: 100 kg/m³.
Colors: White.

Type of tests: NF P 92-501 – Radiation test
NF P 92-504 – Flame propagation test
NF P 92-505 – Dripping test

Reference of test reports: REE 1M 1677/17/342 C dated on 12/02/2018
REE 4M 1677/17/342 C dated on 12/02/2018
REE 5M 1677/17/342 C dated on 12/02/2018

Classification:

M1

Durability of classification: Not limited in theory.

Thanks to criteria resulting from tests described in the attached report.

This certificate attests only characteristics of the tested sample and does not prejudge characteristics of similar products. It is therefore not a product certification within the meaning of article L. 115-27 of the consumer code and the act of June 3, 1994.

"Valid for applications not covered by EC marking"

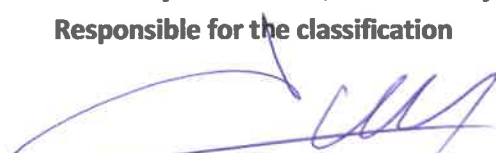
"Valid on the face of use for any application not covered by article AM18 of the ERP regulation concerning the padded seats"

Bruay-la-Buissière, 12th February 2018

Under approval of the President, Franck POUTCH

Responsible for the classification


Skander KHELIF


Thomas TURF

Note. – Only full reproduction and photocopy of the present classification report or the whole classification report and the attached report are authorized.



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ACCREDITATION N°1-5860
 Scope on request @ www.cofrac.fr

Test Report

Test Report n°		To	
Date	REE 1M 1677/17/342 C	Company	ARMACELL BENELUX SA
Manager	Skander KHELIFI	Name	Justyna DOLEGA
Order number	ACB 180038	Address	Z.I. Les Plenesses - Rue des Trois Entités 9
Date of order	10/01/18	Postcode	4890
Pages	1 on 1	Town	Thimister-Clermont
		Country	Belgium

Test standard : NF P 92-501:1995 : Radiation test used for rigid materials, or for materials on rigid substrates of all thicknesses, and for flexible materials thicker than 5 mm.

Accredited COFRAC test : COFRAC accreditation attests competence of the laboratories for the only tests covered by the accreditation

Tested Product

Name : ArmaFORM PET FR100

Description : PET foam made by extrusion. Manufacturing batch number: VB17/073.3

Density : 100 kg/m³ (declared)

Color : White

Remarks : /

Size : 400 mm x 300 mm x 20 mm

Conditioning : 23 ± 2 °C, 50 ± 5 % HR

The results are valid only for the fire-test-exposure conditions described in this procedure and for the specimens assessed.

Test Date : 22/12/17

Results

	Test 1	Test 2	Test 3	Test 4
ti1 (s)	125	95	Shrinking without ignition	Shrinking without ignition
ti2 (s)	133	113		
td1 (s)	125	95		
td2 (s)	/	/		
e1 (s)	165	145		
e2 (s)	/	/		
Inflammation length (s)	40	50		
Total height (cm)	21	15		
q value - NF P 92-507	2,7	2,2	0,0	0,0

ti1/td1/e1 : time of ignition / recording / extinction of the exposed face.

ti2/td2/e2 : time of ignition / recording / extinction of the unexposed face.

Remarks : Non flaming drips have been observed during all the tests. Samples 3 and 4 shrink away to form a hole. In accordance with the standard NF P 92-507, the complementary tests NF P 92-504 and NF P 92-505 have to be performed.

M.ALIOUA Test Officer		F. POUTCH Président
S. KHELIFI Technical Manager		



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ACCREDITATION N°1-5860
 Scope on request @ www.cofrac.fr

Test Report

Test Report n°		To	
Date	REE 4M 1677/17/342 C	Company	ARMACELL BENELUX SA
Manager	Skander KHELIFI	Name	Justyna DOLEGA
Order number	ACB 180038	Address	Z.I. Les Plenesses - Rue des Trois Entités 9
Date of order	10/01/18	Postcode	4890
Pages	1 on 1	Town	Thimister-Clermont
		Country	Belgium

Test standard :	NF P 92-504:1995 : Afterflaming and flame spread test
Accredited COFRAC test :	COFRAC accreditation attests competence of the laboratories for the only tests covered by the accreditation

Tested Product	
Name :	ArmaFORM PET FR100
Description :	PET foam made by extrusion. Manufacturing batch number: VB17/073.3
Density :	100 kg/m ³ (declared)
Color :	White
Remarks :	/
Size :	400 mm x 35 mm x 20 mm
Conditionning :	23 ± 2 °C, 50 ± 5 % HR
<i>The results are valid only for the fire-test-exposure conditions described in this procedure and for the specimens assessed.</i>	

Results					
Test Date :	07/02/18			Reception Date :	05/12/17
Flame Spread Test					
	Test 1	Test 2	Test 3	Test 4	
Afterflaming Time (s)	Tests not performed				
Flame spread speed (mm/s)					
Dripping					
Flamming drips					
Afterflaming Test					
Number of afterflaming	0	0	0	0	
Maximal afterflaming (s)	/	/	/	/	
Dripping	NO	NO	NO	NO	
Flamming drips	/	/	/	/	
Remarks : /					

M. ALIOUA Test Officer		F. POUTCH Président
S. KHELIFI Technical Manager		

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ACCREDITATION N°1-5860
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Test Report**Test Report n°** REE 5M 1677/17/342 C**Date** 12/02/18**Manager** Skander KHELIFI**Order number** ACB 180038**Date of order** 10/01/18**Pages** 1 on 1**To****Company** ARMACELL BENELUX SA**Name** Justyna DOLEGA**Address** Z.I. Les Plenesses - Rue des Trois Entités 9**Postcode** 4890 **Town** Thimister-Clermont**Country** Belgium**Test standard :** NF P 92-505:1995 : Test for melting materials : dripping test**Accredited COFRAC test :** COFRAC accreditation attests competence of the laboratories for the only tests covered by the accreditation**Tested Product****Name :** ArmaFORM PET FR100**Description :** PET foam made by extrusion. Manufacturing batch number: VB17/073.3**Density :** 100 kg/m³ (declared)**Color :** White**Remarks :** /**Size :** 70 mm x 70 mm x 20 mm**Conditionning :** 23 ± 2 °C, 50 ± 5 % HR

The results are valid only for the fire-test-exposure conditions described in this procedure and for the specimens assessed.

Results**Test Date :** 07/02/18**Reception Date :** 05/12/17

	test 1	test 2	test 3	test 4
Weight (g)	9,2	9,9	9,3	9,4
Thickness (mm)	20,0	20,0	20,0	20,0
Nombre of samples exposed	1,0	1,0	1,0	1,0
Ignition of the sample	NO	NO	NO	NO
Time to ignition (s)	/	/	/	/
Duration of sustained flame (s)	/	/	/	/
Dripping	YES	YES	YES	YES
Flaming drips	NO	NO	NO	NO
Ignition of cotton wool	NO	NO	NO	NO

Remarks : /M. ALIOUA
Test OfficerS. KHELIFI
Technical ManagerF. POUTCH
Président