

Declaration of Conformity



We,

Polma Matrassenfabriek
Zilverhoek 13
4651 SP Steenberg
The Netherlands

declare under our sole responsibility that our product:

Polma Poseidon

- **Item: MED/3.21 Bedding components**
- **Mattress with removable cover HEKLA or GA0860**
- **Fabric: 100% Polyester FR**
- **Filling: Pocket Springs 7 comfort-zones + Fire Retardant, eco-friendly cold foam HR50**
- **Dimensions: Any thickness between 19 and 25 cm, any size**

to which this declaration relates, conforms to the following standard(s) or normative document(s):

- **IMO - 2010 FTP Code Annex 1 - Fire test procedures - Part 9 (Smouldering cigarette test)**
- **IMO - 2010 FTP Code Annex 1 - Fire test procedures - Part 9 (Match flame equivalent)**
- **ISO 6330 (2021) (Washing and drying)**
- **EC TYPE EXAMINATION (module B) CERTIFICATE Nr. MED_2022_0001_B**
Expiry date: 14/03/2027
Standard: The revised FTP Code adopted by resolution MSC.307(88) (2010 FTP Code) Annex 1 Part 9: Bedding components
- **EC QUALITY SYSTEM (module D) CERTIFICATE Nr. MED_2022_0002_D**
Expiry date: 14/03/2027
Standard: Marine Equipment Directive 2014/90/EC, with the type described in the EC Type Examination Certificate(s) (Module B).

This product has been assigned a:

U.S. Coast Guard Module B number 164.142/EC0493/2022_0001_B (Expiry date: 14/03/2027)

This products carries the Wheelmark:



which was first affixed in 2023 by Centexbel, notified body nr. 0493.

Place:
Steenbergen, NL

Signature:

A handwritten signature in blue ink, appearing to read 'Dennis van Heiningen', is written over a faint, light blue circular stamp.

Dennis van Heiningen
Company Director
Polma B.V.

Date:
01/07/2024



This certificate is issued under the Authority of SPF Mobilité et Transports – Transports maritimes to attest that Centexbel Notified Body 0493 did undertake the relevant type approval procedures for the equipment identified below which was found to be in compliance with the fire protection requirements of the Marine Equipment Directive 2014/90/EU and Commission implementing regulation (EU) 2021/1158.

EC TYPE EXAMINATION (module B) CERTIFICATE

Nr. MED_2022_0001_B

Expiry date: 14/03/2027

Name and address applicant:

POLMA Matrassenfabriek
Zilverhoek 13
4651SP Steenberghe
Nederland

Item: MED/3.21 Bedding components

Product Designation: Mattress with removable cover

Polma Marine
Polma Poseidon
Polma Neptune

Specific Standard:

- The revised FTP Code adopted by resolution MSC.307(88) (2010 FTP Code) Annex 1 Part 9: Bedding components

This product has been assigned a **U.S. Coast Guard Module B number 164.142/EC0493 XXX** to note type approval to Module B only as it pertains to obtaining US Coast Guard approval as allowed by the "Agreement between the European Community and the United States of America on Mutual Recognition of Certificates of Conformity for Marine Equipment" signed February 27th, 2004

The above described article must be provided with the wheel mark in accordance with the rules laid out article 10 and annex I of the Directive 2014/90/EU.



0493/YY

0493: Notified body number undertaking surveillance module

yy: last two digits of year mark affixed



This certificate is issued under the Authority of SPF Mobiliteit et Transports – Transports maritimes to attest that Centexbel Notified Body 0493 did undertake the relevant type approval procedures for the equipment identified below which was found to be in compliance with the fire protection requirements of the Marine Equipment Directive 2014/90/EU and Commission implementing regulation (EU) 2021/1158.

The mark shall be affixed to the equipment (together with the name and address of the manufacturer and type designation) or to its data plate so as to be visible, legible and indelible throughout the anticipated useful life of the equipment.

Name and address manufacturer:

POLMA Matrassenfabriek
Zilverhoek 13
4651SP Steenberghe
Nederland

Type Examination documentation:

This declaration applies to the equipment submitted in the type testing and described in the manufacturer's technical file (Module B) that is registered with the number MED_2022_0001_B.

This certificate has been drawn up in accordance with the general certification regulation of Centexbel which is available via <http://www.Centexbel.be>

Issued by Centexbel, notified body 0493^(*), in Ghent, on June 26th 2024

Inge De Witte
Certification Manager

Centexbel

Notified Body N°: 0493

Annex: 1 page

Note 1. This certificate will not be valid if the manufacturer makes any changes or modifications to the approved equipment, which have not been notified to, and agreed with the notified body named on this certificate.

Note 2. Should the specified regulations or standards be amended during the validity of this certificate, the product(s) is/are to be re-approved prior to it/they being placed on board vessels to which the amended regulations or standards apply.

Note 3. The Mark of Conformity may only be affixed to the above type approved equipment and a Manufacturer's Declaration of Conformity issued when the production control phase module (D, E or F) of ANNEX II of the Directive is fully complied with and controlled by a written inspection agreement with a notified body.

Note 4. In case limitations of use apply, these should be indicated of in the Annex.



This certificate is issued under the Authority of SPF Mobilité et Transports – Transports maritimes to attest that Centexbel Notified Body 0493 did undertake the relevant type approval procedures for the equipment identified below which was found to be in compliance with the fire protection requirements of the Marine Equipment Directive 2014/90/EC and Commission implementing regulation (EU) 2021/1158.

Annex to the certificate: **Nr. MED_2022_0001_B**

Mattresses

Mattress	Composition
Polma Marine	Fabric: HEKLA or GA 0860 Filling: Bonell Springs + Richfoam Polyeter FR SG30
Polma Poseidon	Fabric: HEKLA or GA 0860 Filling: Individual pocketsprings + Naturalis High Resilience Foam FR HR50
Polma Neptune	Fabric: HEKLA or GA 0860 Filling: Naturalis High Resilience Foam FR HR50

Approval documentation

Centexbel: 21.07349.01

Centexbel: 23.00725.01

Centexbel: 23.00725.02

Centexbel: 24.02213.01



This certificate is issued under the Authority of SPF Mobility and Transports – Marine Transports to attest that Centexbel Notified Body 0493 did undertake the relevant Quality Assessment Procedures for the product(s) identified and described in the Annex to this certificate which was found to comply with the relevant requirements of the Marine Equipment Directive 2014/90/EC and Commission implementing regulation (EU) 2021/1158.



EC QUALITY SYSTEM (module D) CERTIFICATE

Nr. MED_2022_0002_D

Expiry date: 14/03/2027

Name and address manufacturer:

POLMA Matrassenfabriek
Zilverhoek 13
4651SP Steenberghe
Nederland

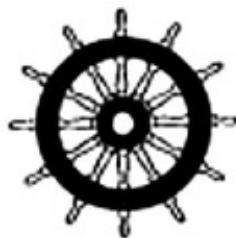
Centexbel did undertake the relevant quality assessment procedures for the equipment of the manufacturer identified below which was found to be in compliance with the requirements of the Marine Equipment Directive 2014/90/EC, with the type described in the EC Type Examination Certificate(s) (Module B) listed in the Attachment to this certificate.

Item:

MED/3.21 Bedding components

The manufacturer is allowed to affix the **U.S. Coast Guard approval number** (see annex) as allowed by the "Agreement between the European Community and the United States of America on Mutual Recognition of Certificates of Conformity for Marine Equipment" signed February 27th, 2004

This certificate authorises the manufacturer or his authorised representative established within the Community in conjunction with the EC TYPE EXAMINATION (module B) CERTIFICATE of the equipment listed in the scope to affix the wheel mark in accordance with the rules laid out in the article 10 and annex I of the Directive 2014/90/EC.



0493/YY



This certificate is issued under the Authority of SPF Mobility and Transports – Marine Transports to attest that Centexbel Notified Body 0493 did undertake the relevant Quality Assessment Procedures for the product(s) identified and described in the Annex to this certificate which was found to comply with the relevant requirements of the Marine Equipment Directive 2014/90/EC and Commission implementing regulation (EU) 2021/1158.

The mark shall be affixed to the equipment (together with the name and address of the manufacturer and type designation) or to its data plate so as to be visible, legible and indelible throughout the anticipated useful life of the equipment.

This certificate loses its validity if the manufacturer makes any changes or modifications to the approved quality system, which have not been notified to, and agreed with the notified body named on this certificate and/or after lapse of time, withdrawal or revocation of the EC Type Examination (Module B) Certificate.

This certificate has been drawn up in accordance with the general certification regulation of Centexbel which is available via <http://www.Centexbel.be>

Issued by Centexbel, notified body 0493^(*), in Ghent, on 14/03/2022

Inge De Witte
Certification Manager
Centexbel
Notified Body N°: 0493

Annex: 1 page

Notes. This certificate authorises the manufacturer or his authorised representative established within the Community in conjunction with the EC TYPE EXAMINATION (MODULE B) CERTIFICATE of the equipment listed in the scope to affix the "Mark of Conformity" (wheelmark). This certificate loses its validity if the manufacturer makes any changes or modifications to the approved quality system, which have not been notified to, and agreed with the notified body named on this certificate and/or after lapse of time, withdrawal or revocation of the EC Type Examination (Module B) Certificate.



This certificate is issued under the Authority of SPF Mobility and Transports – Marine Transports to attest that Centexbel Notified Body 0493 did undertake the relevant Quality Assessment Procedures for the product(s) identified and described in the Annex to this certificate which was found to comply with the relevant requirements of the Marine Equipment Directive 2014/90/EC and Commission implementing regulation (EU) 2021/1158.

**Annex to
EC QUALITY SYSTEM (module D) CERTIFICATE
No. Nr. MED_2022_0002_D**

Module B	Item	USCG Approval Number	Expiry Date	Notified Body
MED_2022_0001_B	MED/3.21	164.142/EC0493/MED_2022_0001_B	14/03/2027	EC0493

Places of production:

POLMA Matrassenfabriek
Zilverhoek 13
4651SP Steenberghe
Nederland

Restrictions:

INRICHTING ERKEND BIJ TOEPASSING VAN DE BESLUITWET VAN 30 JANUARI 1947 / ETABLISSEMENT RECONNU PAR APPLICATION DE L'ARRÊTÉ-LOI DU 30 JANVIER 1947



Polma Matrassenfabriek
Zilverhoek 13
4651SP STEENBERGEN
Netherlands

Your notice of
 07-02-2023

Your reference

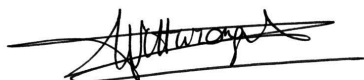
Date
 28-02-2023

Analysis Report 23.00725.01

Required tests :

IMO - 2010 FTP Code Annex 1 -	Fire tests - Test for bedding components – smouldering
Fire test procedures - Part 9	cigarette test
IMO - 2010 FTP Code Annex 1 -	Fire tests - Test for bedding components – Match flame
Fire test procedures - Part 9	equivalent
ISO 6330 (2021)	Washing and drying

Sample id	Information given by the client	Date of receipt
T2302985	Polma Poseidon - 19 cm	07-02-2023
T2302986	Polma Poseidon - 25 cm	07-02-2023



Petra Wittevrongel
 Order responsible

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 The results of the analysis cover the received samples. Centexbel is not responsible for the representativeness of the samples.
 In assessing compliance with the specifications, we did not take into account the uncertainty on the test results.



Reference: T2302985 - Polma Poseidon - 19 cm

IMO bedding components

Information given by the client

Type of material	Mattress
Removable cover	yes
Fabric	
Composition	100% Polyester FR
Structure	Knitted
Thickness in mm	X
Weight g/m ²	300
Colour	Natural + Natural
Inherently FR treated	yes
Filling	
Material	Toplayer: NA50038 Naturalis High Resilience Fire Retardant (3cm) Core: Pocket spring
Density	50 kg/m ³
Fire retardant treatment	yes



Reference: T2302985_02s - Polma Poseidon - 19 cm - filling

Fire tests - Test for bedding components – smouldering cigarette test

Date of ending the test	27-02-2023
Standard used	IMO - 2010 FTP Code Annex 1 - Fire test procedures - Part 9
Deviation from the standard	-
Conditioning	23°C, relative humidity 50%
Information given by the client	Identical sides
Dimension of the specimens	2000 mm x 785 mm x 185 mm

Ignition source: smouldering cigarette with the following specifications
 Length: (70 ± 4) mm
 Diameter: (8.0 ± 0.5) mm
 Mass: (0.95 ± 0.15) g
 Smouldering rate: (11.0 ± 4.0) min / 50 mm



Cigarettes on the smooth surface (no stitchings)

	1	2
Smouldering criteria		
Unsafe escalating combustion	no	no
Test assembly consumed	no	no
Smoke, heat or glowing more than 1 hour	no	no
More than 25 mm from edge of cotton wool (horizontal)	no	no
Smoulders to extremities	no	no
Smoulders through thickness	no	no
Final examination / active smouldering	no	no
Flaming criteria		
Occurrence of flames	no	no
Additional observations		
Maximum extent of damage from the edge of cotton wool (mm)	35	30
Conclusion	non-ignition	non-ignition

Conclusion Not readily ignitable - Pass

The test results relate to the behaviour of the test specimens of a product under the particular conditions of the test: they are not intended to be the sole criterion for assessing the potential fire hazard of the product in use.



Reference: T2302985_02s - Polma Poseidon - 19 cm - filling

Fire tests - Test for bedding components – Match flame equivalent

Date of ending the test	27-02-2023
Standard used	IMO - 2010 FTP Code Annex 1 - Fire test procedures - Part 9
Deviation from the standard	-
Conditioning	23°C, relative humidity 50%
Information given by the client	Identical sides
Dimension of the specimens	2000 mm x 785 mm x 185 mm
Flame application time (s)	20



Flame on the smooth surface (no stitchings)

	1	2
Smouldering criteria		
Unsafe escalating combustion	no	no
Test assembly consumed	no	no
Smoke, heat or glowing more than 1 hour	no	no
Smouldering more than 25 mm from source	no	no
Smoulders to extremities	no	no
Smoulders through thickness	no	no
Final examination / active smouldering	no	no
Flaming criteria		
Unsafe escalating combustion	no	no
> 66% consumed	no	no
Burning to the extremities	no	no
Burning through thickness	no	no
Flaming > 150 s	no	no
Afterflame time (s)	0	1
Additional observations		
Afterglow time (s)	0	0
Maximum extent of damage from the ignition source (mm)	5	10
Conclusion	non-ignition	non-ignition

Conclusion Not readily ignitable - Pass

The test results relate to the behaviour of the test specimens of a product under the particular conditions of the test: they are not intended to be the sole criterion for assessing the potential fire hazard of the product in use.



Reference: T2302985_01s - Polma Poseidon - 19 cm - cover

Washing and drying

Date of ending the test	17-02-2023
Standard used	ISO 6330 (2021)
Deviation from the standard	-
Conditioning	20°C, relative humidity 65%
Apparatus	Wascator FOM 71 (type A)
Used detergent	ECE detergent (Type 3)
Washing method and temperature	4N- 40°C (2021)
Drying method	A = Line dry after each washing cycle (2021)
Number of washing cycles	3
Mass of the test specimens	1981 g
Mass of the ballast	The washing machine is filled with ballast to achieve 2 kg in total
Remark	Washing always occurs with a ballast type III 100% PES regardless of the composition of the fabric.
Sample generated: T2302985_03d	



Reference: M2303531
 T2302985_02s - Polma Poseidon - 19 cm - filling
 T2302985_03d - Polma Poseidon - 19 cm - washed cover

Fire tests - Test for bedding components – smouldering cigarette test

Date of ending the test	27-02-2023
Standard used	IMO - 2010 FTP Code Annex 1 - Fire test procedures - Part 9
Deviation from the standard	-
Conditioning	23°C, relative humidity 50%
Removable cover	yes
Information given by the client	Identical sides
Dimension of the specimens	2000 mm x 785 mm x 205 mm

Ignition source: smouldering cigarette with the following specifications
 Length: (70 ± 4) mm
 Diameter: (8.0 ± 0.5) mm
 Mass: (0.95 ± 0.15) g
 Smouldering rate: (11.0 ± 4.0) min / 50 mm



Test 1 - cigarette on upper surface
 Test 2 - cigarette in the groove of the quilt-line

	1	2
Smouldering criteria		
Unsafe escalating combustion	no	no
Test assembly consumed	no	no
Smoke, heat or glowing more than 1 hour	no	no
More than 25 mm from edge of cotton wool (horizontal)	no	no
Smoulders to extremities	no	no
Smoulders through thickness	no	no
Final examination / active smouldering	no	no
Flaming criteria		
Occurrence of flames	no	no
Additional observations		
Maximum extent of damage from the edge of cotton wool (mm)	20	20
Conclusion	non-ignition	non-ignition

Conclusion **Not readily ignitable - Pass**

The test results relate to the behaviour of the test specimens of a product under the particular conditions of the test: they are not intended to be the sole criterion for assessing the potential fire hazard of the product in use.



Reference: M2303531
 T2302985_02s - Polma Poseidon - 19 cm - filling
 T2302985_03d - Polma Poseidon - 19 cm - washed cover

Fire tests - Test for bedding components – Match flame equivalent

Date of ending the test	27-02-2023
Standard used	IMO - 2010 FTP Code Annex 1 - Fire test procedures - Part 9
Deviation from the standard	-
Conditioning	23°C, relative humidity 50%
Removable cover	yes
Information given by the client	Identical sides
Dimension of the specimens	2000 mm x 785 mm x 205 mm
Flame application time (s)	20



Test 1 - Flame on upper surface
Test 2 - Flame in the groove of the quilt-line

	1	2
Smouldering criteria		
Unsafe escalating combustion	no	no
Test assembly consumed	no	no
Smoke, heat or glowing more than 1 hour	no	no
Smouldering more than 25 mm from source	no	no
Smoulders to extremities	no	no
Smoulders through thickness	no	no
Final examination / active smouldering	no	no
Flaming criteria		
Unsafe escalating combustion	no	no
> 66% consumed	no	no
Burning to the extremities	no	no
Burning through thickness	no	no
Flaming > 150 s	no	no
Afterflame time (s)	0	0
Additional observations		
Afterglow time (s)	0	0
Maximum extent of damage from the ignition source (mm)	10	10
Conclusion	non-ignition	non-ignition

Conclusion **Not readily ignitable - Pass**

The test results relate to the behaviour of the test specimens of a product under the particular conditions of the test: they are not intended to be the sole criterion for assessing the potential fire hazard of the product in use.



Reference: T2302986 - Polma Poseidon - 25 cm

IMO bedding components

Information given by the client

Type of material	Mattress
Removable cover	yes
Fabric	
Composition	100% Polyester FR
Structure	Knitted
Thickness in mm	X
Weight g/m ²	300
Colour	Natural + Natural
Inherently FR treated	yes
Filling	
Material	Toplayer: NA50038 Naturalis High Resilience Fire Retardant (5cm) Core: Pocket spring
Density	50 kg/m ³
Fire retardant treatment	yes



Reference: T2302986_02s - Polma Poseidon - 25 cm - filling

Fire tests - Test for bedding components – smouldering cigarette test

Date of ending the test	27-02-2023
Standard used	IMO - 2010 FTP Code Annex 1 - Fire test procedures - Part 9
Deviation from the standard	-
Conditioning	23°C, relative humidity 50%
Information given by the client	Identical sides
Dimension of the specimens	2000 mm x 785 mm x 220 mm

Ignition source: smouldering cigarette with the following specifications
 Length: (70 ± 4) mm
 Diameter: (8.0 ± 0.5) mm
 Mass: (0.95 ± 0.15) g
 Smouldering rate: (11.0 ± 4.0) min / 50 mm



Cigarettes on the smooth surface (no stitchings)

	1	2
Smouldering criteria		
Unsafe escalating combustion	no	no
Test assembly consumed	no	no
Smoke, heat or glowing more than 1 hour	no	no
More than 25 mm from edge of cotton wool (horizontal)	no	no
Smoulders to extremities	no	no
Smoulders through thickness	no	no
Final examination / active smouldering	no	no
Flaming criteria		
Occurrence of flames	no	no
Additional observations		
Maximum extent of damage from the edge of cotton wool (mm)	25	35
Conclusion	non-ignition	non-ignition

Conclusion Not readily ignitable - Pass

The test results relate to the behaviour of the test specimens of a product under the particular conditions of the test: they are not intended to be the sole criterion for assessing the potential fire hazard of the product in use.



Reference: T2302986_02s - Polma Poseidon - 25 cm - filling

Fire tests - Test for bedding components – Match flame equivalent

Date of ending the test	27-02-2023
Standard used	IMO - 2010 FTP Code Annex 1 - Fire test procedures - Part 9
Deviation from the standard	-
Conditioning	23°C, relative humidity 50%
Information given by the client	Identical sides
Dimension of the specimens	2000 mm x 785 mm x 220 mm
Flame application time (s)	20



Flame on the smooth surface (no stitchings)

	1	2
Smouldering criteria		
Unsafe escalating combustion	no	no
Test assembly consumed	no	no
Smoke, heat or glowing more than 1 hour	no	no
Smouldering more than 25 mm from source	no	no
Smoulders to extremities	no	no
Smoulders through thickness	no	no
Final examination / active smouldering	no	no
Flaming criteria		
Unsafe escalating combustion	no	no
> 66% consumed	no	no
Burning to the extremities	no	no
Burning through thickness	no	no
Flaming > 150 s	no	no
Afterflame time (s)	0	0
Additional observations		
Afterglow time (s)	0	0
Maximum extent of damage from the ignition source (mm)	10	10
Conclusion	non-ignition	non-ignition

Conclusion Not readily ignitable - Pass

The test results relate to the behaviour of the test specimens of a product under the particular conditions of the test: they are not intended to be the sole criterion for assessing the potential fire hazard of the product in use.



Sample history

T2302985_01s Polma Poseidon - 19 cm - cover

Split sample from T2302985 (Polma Poseidon - 19 cm)

T2302985_02s Polma Poseidon - 19 cm - filling

Split sample from T2302985 (Polma Poseidon - 19 cm)

T2302985_03d Polma Poseidon - 19 cm - washed cover

From sample T2302985_01s and the following procedure (Polma Poseidon - 19 cm - cover)

Washing and drying

Date of ending the test	17-02-2023
Standard used	ISO 6330 (2021)
Deviation from the standard	-
Conditioning	20°C, relative humidity 65%
Apparatus	Wascator FOM 71 (type A)
Used detergent	ECE detergent (Type 3)
Washing method and temperature	4N- 40°C (2021)
Drying method	A = Line dry after each washing cycle (2021)
Number of washing cycles	3
Mass of the test specimens	1981 g
Mass of the ballast	The washing machine is filled with ballast to achieve 2 kg in total
Remark	Washing always occurs with a ballast type III 100% PES regardless of the composition of the fabric.

T2302986_02s Polma Poseidon - 25 cm - filling

Split sample from T2302986 (Polma Poseidon - 25 cm)

M2303531

Sample composed of

T2302985_02s (Polma Poseidon - 19 cm - filling)

T2302985_03d (Polma Poseidon - 19 cm - washed cover)



Polma bv
Zilverhoek 13
4651 SP STEENBERGEN
Netherlands

Your notice of
 19-04-2024

Your reference

Date
 14-05-2024

Analysis Report 24.02213.01

Required tests :

ISO 6330 (2021)

IMO - 2010 FTP Code Annex 1 -

Fire test procedures - Part 9

IMO - 2010 FTP Code Annex 1 -

Fire test procedures - Part 9

Washing and drying

Fire tests - Test for bedding components – smouldering cigarette test

Fire tests - Test for bedding components – Match flame equivalent

Sample id	Information given by the client	Date of receipt
T2408470	Polma Marine with cover GA0860	19-04-2024



Petra Wittevrongel
 Order responsible

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 In assessing compliance with the specifications, we did not take into account the uncertainty on the test results.



Reference: T2408470 - Polma Marine with cover GA0860

IMO bedding components

Information given by the client

Type of material Mattress
 Removable cover yes

Fabric

Composition 40% modacryl/viscose - 60% PES
 Structure Knitted
 Thickness in mm -
 Weight g/m² 300
 Colour White 501 001
 Inherently FR treated yes

Interlayer

Material

Filling

Material RF30052H90 Richfoam Polyether Fire Retardant
 Density 30 kg/m³
 Fire retardant treatment yes



Reference: T2408470_01s - Polma Marine with cover GA0860 _ cover

Washing and drying

Date of ending the test	29-04-2024
Standard used	ISO 6330 (2021)
Deviation from the standard	Weight of sample more than 2 kg
Conditioning	20°C, relative humidity 65%
Apparatus	Wascator FOM 71 (type A)
Used detergent	ECE detergent (Type 3)
Washing method and temperature	4N- 40°C (2021)
Drying method	C = Flat dry after each washing cycle (2021)
Number of washing cycles	3
Mass of the test specimens	2180g
Mass of the ballast	The washing machine is filled with ballast to achieve 2 kg in total
Remark	Washing always occurs with a ballast type III 100% PES regardless of the composition of the fabric.
Sample generated: T2408470_03d	



Reference: M2408825
 T2408470_02s - Polma Marine _ filling
 T2408470_03d - Polma Marine with cover GA0860 _ cover

Fire tests - Test for bedding components – smouldering cigarette test

Date of ending the test	08-05-2024
Standard used	IMO - 2010 FTP Code Annex 1 - Fire test procedures - Part 9
Deviation from the standard	-
Conditioning	23°C, relative humidity 50%
Removable cover	yes
Information given by the client	Identical sides
Dimension of the specimens	2000 mm x 900 mm x 195 mm

Ignition source: smouldering cigarette with the following specifications
 Length: (70 ± 4) mm
 Diameter: (8.0 ± 0.5) mm
 Mass: (0.95 ± 0.15) g
 Smouldering rate: (11.0 ± 4.0) min / 50 mm

Test 1 - cigarette on upper surface
 Test 2 - cigarette in the groove of the quilt-line



	1	2
Smouldering criteria		
Unsafe escalating combustion	no	no
Test assembly consumed	no	no
Smoke, heat or glowing more than 1 hour	no	no
More than 25 mm from edge of cotton wool (horizontal)	no	no
Smoulders to extremities	no	no
Smoulders through thickness	no	no
Final examination / active smouldering	no	no
Flaming criteria		
Occurrence of flames	no	no
Additional observations		
Maximum extent of damage from the edge of cotton wool (mm)	40	40
Conclusion	non-ignition	non-ignition

Conclusion Not readily ignitable - Pass

The test results relate to the behaviour of the test specimens of a product under the particular conditions of the test: they are not intended to be the sole criterion for assessing the potential fire hazard of the product in use.



Reference: M2408825
 T2408470_02s - Polma Marine _ filling
 T2408470_03d - Polma Marine with cover GA0860 _ cover

Fire tests - Test for bedding components – Match flame equivalent

Date of ending the test	08-05-2024
Standard used	IMO - 2010 FTP Code Annex 1 - Fire test procedures - Part 9
Deviation from the standard	-
Conditioning	23°C, relative humidity 50%
Removable cover	yes
Information given by the client	Identical sides
Dimension of the specimens	2000 mm x 900 mm x 195 mm
Flame application time (s)	20
Test 1 - Flame on upper surface	
Test 2 - Flame in the groove of the quilt-line	



	1	2
Smouldering criteria		
Unsafe escalating combustion	no	no
Test assembly consumed	no	no
Smoke, heat or glowing more than 1 hour	no	no
Smouldering more than 25 mm from source	no	no
Smoulders to extremities	no	no
Smoulders through thickness	no	no
Final examination / active smouldering	no	no
Flaming criteria		
Unsafe escalating combustion	no	no
> 66% consumed	no	no
Burning to the extremities	no	no
Burning through thickness	no	no
Flaming > 150 s	no	no
Afterflame time (s)	0	0
Additional observations		
Afterglow time (s)	0	0
Maximum extent of damage from the ignition source (mm)	10	10
Conclusion	non-ignition	non-ignition

Conclusion Not readily ignitable - Pass

The test results relate to the behaviour of the test specimens of a product under the particular conditions of the test: they are not intended to be the sole criterion for assessing the potential fire hazard of the product in use.