

EU TYPE EXAMINATION CERTIFICATE



PRD N° 277B

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NOTIFIED BODY 2575

The PPE detailed herein meets the criteria of an EU Type Examination in accordance with Annex V, including the applicable clauses of the Essential Health and Safety Requirements of the PPE Regulation EU 2016/425.

Following an EU Declaration of Product Conformity you are hereby licensed to mark the product(s) detailed in accordance with Article 17 of the PPE Regulation EU 2016/425.

VALIDITY OF CERTIFICATE

This certificate will cease its validity at any time if needed, in particular if changes in the manufacturing process, in the raw materials or in PPE components will occur.

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Manufacturer: Mid Ocean Brands B.V.

Address: Po Box 644, 6710 BP, Ede, The Netherlands

Authorised Representative: -

Address: -

Certificate No.: ITASLNB24001834

Category Product: II

Brand Name: -

Model: -

Article(s) code: KC6388

Product type: Protective Gloves Against Thermal Risks - Heat

Reference(s) Standard: EN ISO 21420:2020, EN 407:2020

Description:

Oven Gloves. General Requirements: Dexterity: N/A; Size Range: One Size; Thermal Risks (Heat/Flame): Limited flame spread: X; Contact heat: 2; Convective heat: X; Radiant heat: X; Small splashes of molten metal: X; Large quantities of molten metal: X.

This has been shown through satisfactory testing to: EN ISO 21420:2020, EN 407:2020

Examination of the Technical File Documentation, No: KC6388 Oven glove - Rev.3 26/03/2024

Test Report no. See Technical File

Remark:

Note:

Issued at: Lastra a Signa (FI)

Issue Date 03/04/2024

General Manager Elena Ruffino

Expiry Date 02/04/2029



For and on behalf of INTERTEK ITALIA Spa



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TEST REPORT



中国认可
国际互认
检测
TESTING
CNAS L0220

Number: GZHT91221350(S1)

Date: Dec 04, 2023
THIS IS TO SUPERSEDE REPORT
NO. GZHT91221350 DATED OCT
27, 2023

Applicant: MID OCEAN BRANDS B.V.
7/F, KINGS TOWER, 111 KING LAM STREET,
CHEUNG SHA WAN, KOWLOON, HONG KONG

Attn: DEREK HUI

Sample Description:

Nine(9) pairs of submitted sample said to be BBQ glove in BBQ set.
Standard : BS EN ISO 21420:2020 / ISO 21420:2020
EN 407:2020, 4.4.1 & EN 659:2003+A1:2008
Size : --
Ref. : 104438
Style No.: KC6388
Oven glove
Date Received/Date Test Started Oct 19, 2023/--
Goods Exported to Europe
Date Final Information Confirmed/ --/--
Date Payment Received:

Test Result Please Refer To Attached Page(S).

Should you have any query on this report, you may contact at gzfootwear@intertek.com

Authorized By:
For Intertek Testing Services Shenzhen Ltd.
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Guiliang Dong
Senior Lab Manager

Authorized By:
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检验检测专用章

(6)

1 Cleaning (BS EN ISO 21420:2020 / ISO 21420:2020, 4.3)

As Care Instructions Were Provided, The Relevant Performance-related Tests Of This Document And The Specific Standards Were Performed On The Gloves, Before And After They Had Been Subjected To The Maximum Recommended Number Of Cleaning Cycles.

Wash Condition:	
Washing Standard:	ISO 6330:2012
Machine:	Type A
Reagent:	Reference Detergent 3
Washing Procedure:	3N
Bleaching Procedure:	Do Not Bleach
Drying Procedure:	Do Not Tumble Dry, Line Drying
Ironing Procedure:	Do Not Iron
Professional Textile Care Procedure:	Do Not Dry Clean
Number Of Cycles:	25

2 Glove Design And Construction - General (BS EN ISO 21420:2020 / ISO 21420:2020, 4.1)

Requirement	Yes	No	N/A
The Protector Shall Be Designed And Manufactured So That In The Foreseeable Conditions Of Use, The User Can Perform The Activity As Normally As Possible With An Appropriate Protection. This Document Along With The Appropriate Specific Standards Shall Be Used To Verify This Adequation.	√		
If Required In The Relevant Specific Standard (For Example ISO 16073:2011, 5.7.3), The Glove Shall Be Designed To Minimize The Donning And Doffing Time.	√		
For Reusable Multilayer Protector, The Gloves Shall Be Able To Doffed Without Separation Of The Layers Of The Fingers. When The Protector Construction Includes Seams, The Material And Strength Of The Seams Shall Be Such That The Overall Performance Of The Protector Is Not Significantly Decreased As Required In The Relevant Specific Standards.	√		

3 Glove Length (BS EN ISO 21420: 2020 / ISO 21420:2020, 6.1)

Specimen 1	Glove Length: 227 mm
Specimen 2	Glove Length: 232 mm
Specimen 3	Glove Length: 233 mm

4 Time For The Removal Of The Gloves (EN 407:2020, 4.4.1 & EN 659:2003+A1:2008, 3.15)

Before Washing

After Dry Conditioning ($20 \pm 2^\circ\text{C}$, $65 \pm 5\%$ R.H, 24 Hours):

Sample 1:	1.1 seconds
Sample 2:	1.2 seconds
Sample 3:	1.3 seconds
Mean:	1 second

Requirement

Pass/Fail

Max. 3 seconds

Pass

After Washing

After Dry Conditioning ($20 \pm 2^\circ\text{C}$, $65 \pm 5\%$ R.H, 24 Hours):

Sample 1:	1.2 seconds
Sample 2:	1.3 seconds
Sample 3:	1.3 seconds
Mean:	1 second

Requirement

Pass/Fail

Max. 3 seconds

Pass

5 Contact Heat (EN 407:2020, 6.3 & EN ISO 12127-1:2015)

Before Washing

Test Area:

Contact Temperature
250°C

Palm Of The Glove

Specimen 1
Specimen 2
Specimen 3

Threshold Time
23 seconds
25 seconds
24 seconds

Observation (*):

Innermost Layers Of The Glove Showed No Sign Of Melting And Holing.

Contact Temperature
350°C

Specimen 1
Specimen 2
Specimen 3

Threshold Time
6 seconds
6 seconds
6 seconds

Observation (*):

Innermost Layers Of The Glove Showed Sign Of Melting And Holing.

After Washing

Test Area:

Contact Temperature
250°C

Palm Of The Glove

Specimen 1
Specimen 2
Specimen 3

Threshold Time
25 seconds
26 seconds
25 seconds

Observation (*):

Innermost Layers Of The Glove Showed No Sign Of Melting And Holing.

Contact Temperature
350°C

Specimen 1
Specimen 2
Specimen 3

Threshold Time
5 seconds
5 seconds
5 seconds

Observation (*):

Innermost Layers Of The Glove Showed Sign Of Melting And Holing.

Performance Level (*1 & *2):

2

Remark: * = Innermost Layers Of The Glove Shall Show No Sign Of Melting And Holing.
*1 = The Performance Level Based On The Lowest Of The Single Value.
*2 = For Contact Heat Performance Levels Of 3 Or 4, The Limited Flame Spread Test Shall Be Performed. The Product Shall Reach At Least Level 3 In The Limited Flame Spread Test, Otherwise The Maximum Contact Heat Performance That Shall Be Reported Is Level 2.

Performance Level	Contact Temperature T _c (°C)	Threshold Time t _t (s)
1	100	≥ 15
2	250	≥ 15
3	350	≥ 15
4	500	≥ 15

6 Tear Resistance (EN 407:2020, 6.8)

Before Washing

Test Area:	Palm Of The Glove	Requirement	Pass/Fail
Specimen 1:	197 N	≥ 10 N	Pass
Specimen 2:	169 N	≥ 10 N	Pass
Specimen 3:	193 N	≥ 10 N	Pass
Specimen 4:	180 N	≥ 10 N	Pass

After Washing

Test Area:	Palm Of The Glove	Requirement	Pass/Fail
Specimen 1:	154 N	≥ 10 N	Pass
Specimen 2:	201 N	≥ 10 N	Pass
Specimen 3:	148 N	≥ 10 N	Pass
Specimen 4:	169 N	≥ 10 N	Pass

- 7 Limited Flame Spread For Complete Gloves (EN 407:2020, 6.2 & EN ISO 15025:2016, Method B – Bottom-edge Ignition)

Before Washing

Test Area: Finger Area

Flame Application Time: 10 s

	After-Flame Time (s)	After-Glow Time (s)
Specimen 1:	> 20 (*2)	-
Specimen 2:	> 20 (*2)	-
Specimen 3:	> 20 (*2)	-

Observation (*): -

After Washing

Test Area: Finger Area

Flame Application Time: 10 s

	After-Flame Time (s)	After-Glow Time (s)
Specimen 1:	> 20 (*2)	-
Specimen 2:	> 20 (*2)	-
Specimen 3:	> 20 (*2)	-

Observation (*): -

Performance Level (*1): **Below The Minimum Performance Level For The Given Individual Hazard.**

Remark: * = Surface Of The Innermost Layer Of The Glove Shall Be Inspected. It Shall Show No Sign Of Melting. No Hole Shall Appear On All Layers Of The Tested Area. The Seam Shall Not Come Apart After The Ignition Time.

If The Outermost Layer Melts, The Material Shall Not Produce Molten Debris.

*1 = The Lowest Test Result Defines The Level Of Performance.

*2 = Test Suspended Due To Safety Reasons Caused By Excessive Flame.

Performance Level	After Flame Time (s)	After Glow Time (s)
1	≤ 15	No Requirement
2	≤ 10	≤ 120
3	≤ 3	≤ 25
4	≤ 2	≤ 5

8 pH Value

AS Per BS EN ISO 21420:2020, 4.2, With Reference To BS EN ISO 3071:2020 For Textile, Potassium Chloride (KCI) Solution Extracted, pH Value Was Measured By pH Meter.

Tested Components	Results	Requirement
(1)	6.5	*
(2)	6.4	*
(3)	6.4	*

Temperature Of The Extracting Solution: 23.4°C

pH Of The Extracting Solution: 6.14

Remark: * = The pH Value Shall Be Greater Than 3.5 And Less Than 9.5

Tested Components: Please See Component List In The Last Section Of This Report.

Conclusion:

Standard
BS EN ISO 21420:2020 For pH Value

Result
Pass

9 Azo Colourants Content

With Reference To Test Method: Textile Method (ISO 14362-1:2017)

Amines Content Was Determined By Gas Chromatography-Mass Spectrometry (GC-MS)

	Forbidden Amine	CAS No.	Results (mg/kg)	
			Method T	Method D
			(1)	(1)
1.	4-Aminodiphenyl	92-67-1	<5	<5
2.	Benzidine	92-87-5	<5	<5
3.	4-Chloro-o-toluidine	95-69-2	<5	<5
4.	2-Naphthylamine	91-59-8	<5	<5
5.	o-Aminoazotoluene	97-56-3	<5	<5
6.	2-Amino-4-nitrotoluene	99-55-8	<5	<5
7.	p-Chloroaniline	106-47-8	<5	<5
8.	2,4-Diaminoanisole	615-05-4	<5	<5
9.	4,4'-Diaminodiphenylmethane	101-77-9	<5	<5
10.	3,3'-Dichlorobenzidine	91-94-1	<5	<5
11.	3,3'-Dimethoxybenzidine	119-90-4	<5	<5
12.	3,3'-Dimethylbenzidine	119-93-7	<5	<5
13.	3,3'-Dimethyl-4,4'diaminodiphenylmethane	838-88-0	<5	<5
14.	p-Cresidine	120-71-8	<5	<5
15.	4,4'-Methylene-bis(2-chloroaniline)	101-14-4	<5	<5
16.	4,4'-Oxydianiline	101-80-4	<5	<5
17.	4,4'-Thiodianiline	139-65-1	<5	<5
18.	o-Toluidine	95-53-4	<5	<5
19.	2,4-Toluylenediamine	95-80-7	<5	<5
20.	2,4,5-Trimethylaniline	137-17-7	<5	<5
21.	o-Anisidine	90-04-0	<5	<5
22.	4-Aminoazobenzene	60-09-3	<5	<5

Remark: Requirement = 30 mg/kg

Reporting Limit = 5 mg/kg

Method T: Direct Buffer Extraction As Per ISO 14362-1:2017 Section 10.2

Method D: Colourant Extraction With Xylene As Per ISO 14362-1:2017 Section 10.1

Tested Components: Please See Component List In The Last Section Of This Report

Conclusion:

Standard

BS EN ISO 21420:2020 Protective Gloves - General

Requirements And Test Methods - Azo Colourants Content

Result

Pass



Total Quality. Assured.

TEST REPORT

Tests Conducted (As Requested By The Applicant)



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检测
TESTING
CNAS L0220

Number: GZHT91221350(S1)

Component List:

- (1) Red 95% Polyester And 5% Cotton (Palm/Back/Binding).
 - (2) White 100% Polyester (Lining).
 - (3) White 100% Polyester (Interlayer Padding).
-

/ andygtliu

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检验检测专用章

BRANCH (6) HONGKONG



End Of Report

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Remark:

1. As Requested by the Applicant, For Details Refer to Attached Page (S).
2. All the tested item are tested under the standard condition.
3. The report is valid with commission test only for the test samples in the case of delivering samples by clients.

To : MID OCEAN BRANDS B.V.
Attention : DEREK HUI

Date : Dec 04, 2023

Re : Report Revision Notification

Labtest Report Number GZHT91221350 date OCT 27, 2023

Please be informed that all the content recorded in the above captioned report will be void. This captioned report is now superseded by a revised Labtest Report, Number GZHT91221350(S1) , issued on Dec 04, 2023 .

Thank you for your attention

Authorized By:
For Intertek Testing Services Shenzhen Ltd.
Guangzhou Branch



Guiliang Dong
Senior Lab Manager

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Vivian Li
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