

UKCA Type Examination Certificate

This is to certify that:

Avon Polymer Products Ltd
Hampton Park West
Melksham
SN12 6NB
United Kingdom

Holds Certificate Number:

UKCA 774554

In respect of:

EXOSKIN-G1™ CBRN Gloves for Radioactive Contamination to Technical Specification to satisfy Annex II of the Regulation 2016/425 on personal protective equipment, as amended to apply in GB.

On the basis that BSI carried out the relevant Type Examination procedures under the requirements with the Regulation 2016/425 on Personal Protective Equipment, as amended to apply in GB (PPE) Annex V (Module B) and meets the relevant health and safety requirements specified in Annex II.

For and on behalf of BSI, an Approved Body for the above Regulation (Approved Body Number 0086):



Shahm Barhom, Group Product Certification Director

First Issued: 2023-03-16

Latest Issue: 2023-09-14

Effective Date: 2023-09-14

Expiry Date: 2028-03-15



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Product Specification

Model:	EXOSKIN-G1™ Avon CBRN Gloves
Classification:	CBRN Gloves for Radioactive Contamination
Description:	Ambidextrous butyl glove, covering hand and lower arm chemical, biological threats and radioactive contamination. Available in black colour. A variant with Polyester liner available – product code denoted with CM.
Size range:	6.5 (Small), 7.5 (Medium), 9 (Large) and 10.5 (Extra Large).
Product Codes:	606913, 606912, 606911, 606910, 606913-CM, 606912 - CM, 606911 – CM, 606910 - CM
PPE Category:	Category III - Complex.
Technical Specification:	Type Examination for PPE product listed in this certificate is conducted to meet EHSR Annex II requirements of Regulation 2016/425 on personal protective equipment, as amended to apply in GB, based on the following standards: EN ISO 21420:2020 – Protective gloves. General requirements. EN ISO 374-1:2016+A1:2018 – Protective gloves against dangerous chemicals and micro-organisms. Terminology and performance requirements for chemical risks. EN ISO 374-2:2019 – Protective gloves against dangerous chemicals and micro-organisms. Determination of resistance to penetration. EN ISO 374-4:2019 – Protective gloves against dangerous chemicals and micro-organisms. Determination of resistance to degradation by chemicals. EN ISO 374-5:2016 – Protective gloves against dangerous chemicals and micro-organisms. Terminology and performance requirements for micro-organism risks. EN 388:2016+A1:2018 – Protective gloves against mechanical risks. EN 421:2010 – Protective gloves against ionizing radiation and radioactive contamination.

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Performance

EN ISO 21420:2020 - General requirements:

Characteristic	Performance	Characteristic	Performance
Length and Fit	Pass	PAH	Pass
Dexterity	Level 5	Phthalates content	Pass
pH value	Pass	Azo dyes	Pass

EN ISO 374-2:2019 – Protection against penetration by micro-organisms. Determination of resistance to penetration.

Characteristic	Performance
Water Leak	Pass

EN ISO 374-4:2019 – Resistance to degradation

Tested for all chemicals listed below.

EN ISO 374-5:2016 – Protection against micro-organism risks

Bacteria and fungi (Test method EN ISO 374-2:2019)	Pass
Viruses (Test Method ISO 16604:2004)	Pass

EN 388:2016+A1:2018- Mechanical risks

Characteristic	Performance
Abrasion	Level 1
Blade Cut	Level 0
Tear	Level 0
Puncture	Level 0
TDM Cut	X (not performed)

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Performance (continued)

EN ISO 374-1:2016+A1:2018 – Resistance to chemical permeation

Type B Chemical protection (Test method EN 16523-1:2015+A1:2018)

Code Letter	Chemical	Permeation Level
A	Methanol	6
B	Acetone	6
I	Ethyl acetate	4
K	40% Sodium Hydroxide	6
L	96% Sulphuric Acid	6
P	30% Hydrogen Peroxide	6
T	37% Formaldehyde	6

Additional Assessment:

Permeation resistance protection to Chemical Warfare Agents (CWA) in liquid droplet form of HD, GD, TGD and VX at a cumulative permeation of $<2.0 \mu\text{g}/\text{cm}^2$ after 24 hours.

Agent	Test Method	Penetrated Amount ($\mu\text{g}/\text{cm}^2$) 0-24 hr
Mustard Agent	Laid droplet, dual flow HD, 10 g/m ² (80% RH, 32°C, 24 hours, 1 μ l drops)	<0.30
Soman	Laid droplet, dual flow GD, 10 g/m ² (80% RH, 32°C, 24 hours, 1 μ l drops)	<0.24
Thickened Soman	Laid droplet, dual flow TGD, 10 g/m ² (80% RH, 32°C, 24 hours, 5 μ l drops)	<0.24
VX	Laid droplet, diffusive flow VX, 10 g/m ² (5% RH, 32°C, 24 hours, 1 μ l drops)	<0.02

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Certificate Administration Details

Technical File Reference: 'Technical File: 70502/233'.

Certificate Administration Record and BSI internal Technical File Review reference

Issue date	Comments	BSI Project Ref.
February 2023	Initial issue to Regulation 2016/425 on personal protective equipment, as amended to apply in GB.	0086:23:3715658
Sept 2023	Extension to scope to add small size and change of dexterity claim to Level 5.	0086:23:3952433

Certificate validity:

The Certificate holder is responsible for ensuring that the Approved Body is advised of changes to any aspect of the overall process utilised in the manufacture of the product, failure to do so could invalidate the Certificate in respect of product manufactured following the introduction of such changes.

Monitoring of manufactured PPE

The validity of the Certificate for the products is also dependent on the maintenance of the Conformity to Type Based on Quality Assurance of the Production Process, Annex VIII (Module D), as referenced on BSI issued Certificate UKCA 774557.

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