Revolution-ZERO
Protecting you and your world
Zero carbon, zero waste targeted PPE
Masks Catalogue April 2021
PRODUCT
Surgical mask with ear loops and 4 layers, 40 washes. Head band option available.

USE
Surgical masks intended for use by healthcare professionals, patients and those that require a Type IIR mask for employment or health protection with the aim of protecting both the patient and the user, from the transfer of microorganisms, body fluids and particles.

RAW MATERIALS
2 layers - Fabric 100% Pes
2 layers - Non-woven 100% Pes

DESCRIPTION
- Reusable mask (40 uses).
- 3 pleats.
- With ear elastic.
- With nose adjustment.
- Protective four layer structure.
- Antibacterial finish.
Antibacterial composites with OECD 406 (skin sensitivity), OECD 209/3028 (biodegradable) and free of silver ions. Complies with REACH and OEKO-TEX 100 regulations.
Face mask that helps to prevent particles expelled by the user (for example saliva, mucus) from reaching other people or surfaces and so preventing the spread of the new Coronavirus (SARS-COV-2) and at the same time protecting the user from particles or fluids coming from others.

INSTRUCTIONS FOR USE
Washing before first use is optional.
After use it should be washed using a complete washing cycle at 60°C and with detergent. Can only be used once completely dry. If necessary the masks can be sterilised after washing - temperature maximum 134°C during 3 mins.
For better protection of your mask, place it in a protective bag, as for delicate items.

Standards/Approvals
- CE marking in accordance with European Directive 93/42/EC.
- Class I Medical Device.
- Type: IIR.

<table>
<thead>
<tr>
<th>TESTS</th>
<th>ORIGINAL</th>
<th>AFTER 20 WASHES</th>
<th>AFTER 40 WASHES</th>
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</thead>
<tbody>
<tr>
<td>BFE (Bacterial Filtration Efficiency &gt;90%)</td>
<td>99%</td>
<td>99%</td>
<td>99%</td>
</tr>
<tr>
<td>BREATHABILITY TYPE IIR 99/32/EC/cm²</td>
<td>20.2</td>
<td>21</td>
<td>20</td>
</tr>
<tr>
<td>SPLASH RESISTANCE 120 mmHg (corresponds to the average systolic blood pressure)</td>
<td>32 - tests 0 - fails</td>
<td>32 - tests 0 - fails</td>
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PRODUCT SCHEME

NOTE: Our tolerance is of +/- 1cm for all measurements.

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<tr>
<td>BREATHABILITY</td>
<td>20.2</td>
<td>21</td>
<td>20</td>
</tr>
<tr>
<td>TYPE IIR – 95mmHg/cm2</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>SPLASH RESISTANCE</td>
<td>32 - tests 0 - fails</td>
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<td>120 mmHg (corresponds to the average systolic blood pressure)</td>
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DESCRIPTION
-Reusable mask (40 uses).
-Three-dimensional structure.
-Printed Design on a pleated layer.
- With ear elastics.
- With nose adjustment.
- Available in a variety of colours.
- Antibacterial finish. Antibacterial complies with OECD 406 (skin sensitivity), OECD 209/3028 (biodegradable) and free of silver ions. Complies with REACH and OEKO-TEX 100 regulations.

Face mask that helps to prevent particles expelled by the user (for example saliva, mucus) from reaching other people or surfaces and so preventing the spread of the new Coronavirus (SARS-COV-2) and at the same time protecting the user from particles coming from others.

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<td></td>
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<td>Bacterial filtration efficiency &gt;90%</td>
<td>98.8%</td>
<td>99.1%</td>
<td>99.2%</td>
</tr>
<tr>
<td>BREATHABILITY</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TYPE IIR ≤400Pa/cm²</td>
<td>22.9</td>
<td>21.2</td>
<td>24.7</td>
</tr>
<tr>
<td>SPLASH RESISTANCE</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>120 mm*90 (corresponds to the average systolic blood pressure)</td>
<td>32 - tests</td>
<td>32 - tests</td>
<td>32 - tests</td>
</tr>
<tr>
<td>0 - fails</td>
<td>0 - fails</td>
<td>0 - fails</td>
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PRODUCT SCHEME

A WIDTH 17CM
B HEIGHT 12CM
C ELASTIC 19CM

NOTE: Our tolerance is of +/- 1cm for all measurements.

MOD.045.00

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REF: PTX_CMT_PK1.2

REUSABLE SURGICAL MASK
MEDICAL DEVICE TYPE IIR
PRODUCT SPECIFICATION

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</tr>
<tr>
<td>BREATHABILITY</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TYPE IIR - &lt;= 0,65% / cm²</td>
<td>22.9</td>
<td>21.2</td>
<td>24.7</td>
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<tr>
<td>SPLASH RESISTANCE (120 mmHg, corresponds to the average systolic blood pressure)</td>
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PRODUCT SCHEME

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MOD.045.00

Our packaging is recyclable, biodegradable, suitable for food use, therefore safe for use in this type of product.

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MASK_ADJUSTER included with all Revolution-ZERO masks

ADJUSTERS for EAR LOOPS and HEAD BANDS

PRODUCT
This accessory allows adjusting the mask to the face giving greater ergonomics and improved seal around the face.

RAW MATERIALS
TPE - Thermoplastic elastomer.

"One thing that TPE materials have in common is that they are completely recyclable. It is possible to process in many ways, from injection moulding to extrusion. Shorter cycle times, lower energy consumption and less waste also contributes to the environmental benefits of TPE."


| BLACK | WHITE |

All packaging is commonly recyclable.

Revolution-ZERO
Protecting you and your world
CUSTOMIZED MASKS

PTX_CMT_M1

PERSONALISED MASKS WITH LOGO PRINT

COMPANY NAME

Reusuable
IIR
CE
CUSTOMISED MASKS

PTX_CMT_M1

CUSTOMISED WITH EMBROIDERY LOGO

Revolution-ZERO
Reusable
IIR
CE
Four layer 3-pleat mask

**PTX_CMT_M1**

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<tr>
<th>TESTS</th>
<th>RESULTS</th>
<th>LABORATORY</th>
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<tr>
<td>Bacterial filtration</td>
<td>99% <strong>AFTER 40 WASHES</strong></td>
<td>EQUILIBRIUM (PORTUGAL)</td>
</tr>
<tr>
<td>efficiency</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Particles Filtration</td>
<td>100%</td>
<td>IFTH (FRANCE)</td>
</tr>
<tr>
<td>Efficiency &gt;70%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Breathability &gt;96 Lm^-2S^-1</td>
<td>491 <strong>AFTER 40 WASHES</strong></td>
<td>IFTH (FRANCE)</td>
</tr>
<tr>
<td>Splash Resistance</td>
<td>32 TESTS ZERO FAILS</td>
<td>AITEX (SPAIN)</td>
</tr>
<tr>
<td>Bioburden &lt;=30 CFU/g</td>
<td>OK PRODUCTION CONTROL</td>
<td>SAGILAB (PORTUGAL)</td>
</tr>
</tbody>
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All packaging is widely recyclable.
Four layer micro pleat 3D mask

PTX_CMT_P1.2

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All packaging is widely recyclable.
Four layer 3-pleat folded edge mask

PTX_CMT_M1CL1

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ENHANCED EDGING

Revolution-ZERO

Reusable
IIR

All packaging is widely recyclable.
Revolution-ZERO masks are manufactured using 100% renewable energy from solar power and biomass in our production facility in Portugal. From sourcing to manufacture, quality assurance and distribution we focus on maximising effectiveness and comfort whilst minimising environmental impact.

All of our PPE is designed, manufactured and supplied in compliance with the ISO13485 and 14791 standards for quality and risk management as applicable to medical devices.
Revolution-ZERO
Protecting you and your world
A Rutherford Group Initiative
Email: sales@revolution-zero.co.uk
Phone: 01962 435 045
Web: www.revolution-zero.com
Twitter: @RevolutionZERO1