

# ë TECH



## FEATURES & BENEFITS

Very light, 3D shape that never touches the mouth or nostrils, designed with 2 pleats on the chin and one on the nose forming a dome to increase the interface and to ensure optimal airflow rate and comfort. Level 2 medical grade filtration equivalency and maximum leak tightness. Firm integral cheekbones-nose bar and cushioned edges against fog on eyewear. Adjustable elastic ear bands with possible additional accessories for optimizing protection while enhancing comfort.

## SCIENTIFIC RESULTS (ALWAYS TESTED AFTER 100 WASHES)

**Particles Filtration (from 0.8 µm):** 99.4 %

**Aerosols (0.075 µm / 75 nm NaCl aerosols):** 82-88 % PFE (level 2 ASTM F3502). ASTM F3502-21 test is performed on whole devices (masks) using NaCl particles at a flow rate of 85 LPM. This is the same test done for PFE Filtration in ASTM F2100-23 standard.

**Breathability (differential pressure):** 9.55 mmH<sub>2</sub>O (level 1 ASTM F3502) / 4.4 mmH<sub>2</sub>O/cm<sup>2</sup> (EN 14683)

**Flammability:** Class 1 according to 16 CFR PART 1610

**Fluid resistance:** 160 mmHg according to ASTM F1862 & EN 14683: 2019 IIR Type

**Dermal irritation:** Negligible (between 0 and 0,4) ISO 10993-23, no erythema, no oedema

**Microbial Cleanliness (bioburden) :** Compliant with 4.2 CFU/g (requirement ≤ 30 CFU/g)

**Cytotoxicity:** Non Cytotoxic according to CYTOTOX-PH-22/0241 XTT method

TESTED by ISO 17025 CERTIFIED laboratories, results available on request or simply visit our website.

## CONTEXTS

Crowds, shows, group activities, airports, travel, public transport, work environments (offices, meetings, etc.), temperate climates, extended wear, close interactions, hospital visits, pollution, allergies, immune deficiencies or illnesses such as cold or flu

## 3 LIFE CYCLES

Professional => Personal => Recycling

When worn out after personal use, mail the mask to us or put it in a dedicated collection box for 100 % recycling. Our plastic accessories are made with recycled polypropylene from fabric scraps. The nasal strips are returned to us for reuse in production.

## CUSTOMIZATION

○ 250 units and more: labels with your logo on the side of the mask

○ 2 000 units and more: personalized colors and prints

\*Prices and deadlines according to the project

Meets the requirements of: ASTM F3502-21\*, ASTM F1862, AFNOR Spec S76-001-IIR, EN 14683: 2019 IIR, 16 CFR PART 1610

## ZERO WASTE

### 4 SIZES

**SMALL** or children (3 to 12 years old),  
**MEDIUM, LARGE, EXTRA LARGE**  
(see size chart page 6)

### COLORS :



Black-Gray Dots

Multicolor Fishes



Black

Navy Blue

**And WHITE as per the images**

Validate the colors available online  
Colors on request possible (minimums)

## POSSIBLE APPLICATIONS FOR WASHING AND TRACEABILITY

1. Scan the laundry tracking barcode using a barcode reader
2. Scan the QR code using a mobile or smart device to track washes in real time
3. Manually mark the tracking label using a permanent waterproof marker or pen
4. Scan the RFID chip (special orders)
5. Batch management with color codes (special orders)



**EN 14683**

MEETS STANDARDS REQUIREMENTS:  
ASTM F3502-21,  
AFNOR SPEC S76-001,  
EN 14683: 2019 IIR Type  
(CNESST/ INSPQ)



For healthcare professionals, non-contact 3D design

After 100 washes: HEALTH CANADA CLASS 1 / AFNOR / ASTM F3502-21 Level 1 & 2 / EN 14683 :2019-IIR Type

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## OUTSIDE

Ergonomic 3D shape to ease breathing and speaking

Integrated cheekbones-nose bar designed to adapt to all faces and to prevent eyewear fog

Cushion binding edges for better comfort, minimized leaks tightness, reinforced seams

Sprayed liquids-resistant fabrics, no toxic products, no latex, OEKO-TEX® certified eco-friendly inks

## INSIDE

Unique high-performance multi-layers protection with permanent integrated filters - èncore® technology

Engineered and tested to wick away moisture and for extended wear (8 hours/day)

Easily adjustable, stretchy and soft elastic ear band, wood toggle & looped attachment to insert a head accessory



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