



**OmniTOP**

International Trade & Marketing LTD

distributor of **DURAM MASK**  
PERSONAL ESCAPE MASK 



## **CEMBAYO Chem-Bio Mask**

MODEL: DM-54C-HV-YE/BL

*A personal emergency device for short-term respiratory protection during escape from an area of low concentration of chemical or biological agents.*

### **FEATURES**

- > Pocket-size
- > Dons within seconds. No adjustments straps
- > One size fits all
- > Strong, fire-resistant, elastic rubber hood, protects the entire head and seals comfortably at the neck
- > High-efficiency, electrostatic particle filter, with extremely low pressure-drop to allow easy breathing
- > Layers of activated charcoal with special impregnation to absorb toxic gases
- > A unique breathing device (patent pending), enables rapid exhalation and improves the physiological conditions for the user, preventing built-up of heat or vapor inside the mask
- > Large visor, made of flame-retardant transparent film, allows a wide field of view
- > Training model available
- > Available in two colors: yellow and black

### **TECHNICAL DATA**

#### **Hood:**

- > Special Polychloroprene Latex compound
- > Elongation at break: > 700%
- > Tensile strength: > 150 kg/cm<sup>2</sup>
- > Temperature resistant: 200°C
- > Fire-resistant to the requirements of NFPA 701

## Visor:

ETFE film - a copolymer of Polytetrafluorethylene with Ethylene monomer

- > Tensile strength: 50 N/mm<sup>2</sup>
- > Elongation at break: 450%
- > Tear resistance: 500 N/mm
- > Temperature resistance: 150°C
- > Flame retardant: UL 94 V-O
- > Light transmission: > 95%

## Filter Assembly:

Multi-layer filter includes the following:

- > External polyester screen, fire resistant to the requirements of NFPA 701
- > Electrostatic + melt blown combination high efficiency particle filter (HEPA)
- > Layers of activated charcoal cloth with impregnation against acid gases
- > Soft inner pad of non-woven material

## Filter Performance:

Test gas	Concentration (mg/m <sup>3</sup> )	Flow Rate (l/min)	Breakthrough Time
Cyanogen Chloride (CK)	100	30	> 15
Dimethyl Methyl Phosphonate (DMMP)	250	30	> 15
Aerosol	Filter Efficiency (%)	Air Flow Resistance(Pa)	Flow Rate (l/min)
NaCl (salt)	99.97	117	95

## General:

- > Approximate (package) dimensions: 19x15x4 cm
- > Approximate (package) weight: 190-200 gr

## Storage and Carrying:

- > The mask is stored in a personal carrying pouch
- > Optional wall mounted container available for storing up to 10 masks
- > Larger portable pouches/containers



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