



OmniTOP
International Trade & Marketing LTD

distributor of **DURAM MASK**
PERSONAL ESCAPE MASK



KIMI Chemical Escape Mask

MODEL: DM-43C-300V-YE/BL
CE MARK: 0336

A personal emergency device for short-term respiratory protection during escape from area of a chemical spill. Offers protection against organic gases and vapours with a boiling point higher than 65°C, certain inorganic gases and vapors, Sulfur Dioxide and other acidic gases and vapors, Ammonia and Ammonia derivatives.

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/cm²
- > 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/mm²
- > Elongation at break: 450%

- > Tear resistance: 500 N/mm
- > Temperature resistance: 150°C
- > Flame retardant: UL 94 V-O
- > Light transmission: > 95%

Breathing device:

A device combining two valves for exhalation and inhalation + a soft mouthpiece, all in one unit.

Filter Assembly:

Multi-layer filter includes the following:

- > External polyester screen, fire resistant to the requirements of NFPA 701
- > Electrostatic particle filter
- > Layers of activated charcoal cloth with impregnation against acid gases
- > Soft inner pad of non-woven material

Filter Performance:

Test gas	Challenge Concentration (ppm)	Flow Rate (l/min)	Breakthrough Time
Carbon tetrachloride (CCl ₄)	500	30	45 min at 10 ppm
Hydrogen Cyanide (HCN)	500	30	> 40 min at 10 ppm
Chlorine (Cl ₂)	500	30	> 30 min at 0.5 ppm
Hydrogen Sulfide (H ₂ S)	500	30	23 min at 10 ppm
Sulfur Dioxide (SO ₂)	500	30	36 min at 5 ppm
Ammonia (NH ₃)	500	30	36 min at 5 ppm

Particle Penetration:

- > Meets EN 143 P2
- > Inhalation/Exhalation resistance (at 20 x1.5 l/min): Pin: 166 Pa / Pout:98 Pa

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 countainer available for storing up to 10 masks
- > Larger portable pouches/containers

