

Barrier pouch provides protection from Chem/Bio agents and toxic chemicals

Description

Kappler's Contaminated Remains Pouch is made from a chemical barrier fabric, and is designed to hold human remains that have been, or are suspected to have been contaminated with certain military chemical agents, biological agents, and/or various other toxic chemicals.

Pouch Features

- **Fabric** The primary fabric used in the construction of the contaminated remains pouch is Zytron™ 600. This patented, multi-layered, chemical barrier fabric weighs approximately 8.4 oz/sq.yd, and has been tested against more than 300 toxic chemicals including Mustard, Lewisite, Tabun, Sarin and Nerve. When tested in accordance with MIL-STD-282 (methods 208 and 209), all showed breakthrough times of >480 minutes. Available in Tan or Blue.
- **Seams** All seams are sewn and then hermetically heat sealed using a patented, multi-layer, highly chemical resistant heat seal tape. The interior seams are triple-taped and the exterior seams are single-taped.
- **Zipper** The 160" PVC gas-tight zipper is sewn and hermetically sealed into the bag using the same heat seal tape used on the primary seams. It is located around the sides of the pouch for easy opening and access.
- **Abrasion Resistant Bottom** The bottom of the pouch is fitted with a 14 oz/sq.yd. polyvinyl chloride (PVC) fabric to prevent tear-through of the primary chemical fabric.
- **Carrying Straps** The pouch is fitted with eight (8), 2" wide heavy duty, black carrying straps. The 12" looped end facilitates easy handling by gloved hands. All straps are sewn directly to the abrasion resistant PVC bottom material in such a way that the gas-tight integrity of the pouch is not compromised.
- **Exhaust Valve and Vent Device** A uni-directional, filtered exhaust valve and venting device allows this remains pouch to be used in hyperbaric conditions and facilitates filter venting of the pouch during the build-up of decomposition gases. A single exhaust valve is fitted by way of an ISO fitting to a standard C2A1 NBC canister which rests in a stand-off post to prevent fluid submersion. The exhaust valve is sealed with two (2) reinforced gaskets and includes a zero pressure flapper valve and multi-vented cap which eliminates the possibility of over-pressurization of the pouch.
- **Fluid-Collection Reservoir** The fluid-collection reservoir system (FCRS) consists of a series of hydrophilic collection pads in the bottom of the pouch. The FCRS has a maximum absorption capacity of 1 gallon.
- **Size** The pouch exterior dimensions are 84" x 30".



Innovative design makes the contaminated remains pouch strong and easy to handle under demanding conditions.



Zytron™ 600 fabric is patented and tested against more than 300 toxic chemicals, including chemical warfare agents.



Heavy-duty carrying straps are attached to the tough bottom fabric, so that gas-tight integrity is not compromised by stress.

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and technology**

Chemical-Resistant Pouch for Contaminated Remains



Technical Data/Chemical Test Results

Chemical	Breakthrough Time Normalized (min)	Permeation Rate (ug/cm ² /min)	SDL(ppm)
Acetone	>480	ND	0.130
Acetonitrile	>480	ND	0.110
Ammonia (Gas)	>480	ND	0.088
Butadiene 1,3 (Gas)	>480	ND	0.066
Carbon Disulfide	>480	ND	1.000
Chlorine (Gas)	>480	ND	0.041
Dichloromethane	>480	ND	0.160
Diethylamine	>480	ND	0.710
Dimethylformamide N,N-	>480	ND	1.000
Ethyl Acetate	>480	ND	0.100
Ethylene Oxide (Gas)	>480	ND	0.210
Hexane	>480	ND	0.060
Hydrogen Chloride (Gas)	>480	ND	0.056
Methanol	>480	ND	0.530
Methyl Chloride (Gas)	>480	ND	0.089
Nitrobenzene	>480	ND	1.000
Sodium Hydroxide	>480	ND	0.200
Sulfuric Acid	>480	ND	0.019
Tetrachloroethylene	>480	ND	0.081
Tetrahydrofuran	>480	ND	0.098
Toluene	>480	ND	0.031

ASTM Test Data: Sources for all test data are independent laboratories. All tests were performed on fabric swatches under laboratory conditions and are not actual use conditions. Breakthrough times normalized to a permeation rate of 0.1 ug/cm²/min in accordance with ASTM F739.

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