

CHEMMAX® 3

Advanced Chemical Protection for Industry,
Emergency Response and Law Enforcement

ChemMax® 3 Applications

Toxic Industrial Chemicals
Chemical Warfare Agents
Fentanyl Protection



Heat Sealed
Seam



ChemMax® 3 uses the latest technology to produce a superior chemical protective product. Durable and lightweight, ChemMax® 3 provides a barrier against a broad spectrum of toxic industrial chemicals, dual-use chemicals, chemical warfare agents and other harmful contaminants.

The multi-layer film is applied to a heavy polypropylene non-woven for increased strength and durability. The barrier film is significantly softer than other products on the market, resulting in a quiet, more comfortable garment.

ChemMax® 3 Coveralls



Coverall C3T110

Sealed Seam

- Collar
 - Storm flap over zipper.
 - Elastic wrists
 - Elastic ankles
- Sizes: S – 5XL
Case Pack: 6



Coverall C3T132

Sealed Seam

- Respirator-fit hood
 - Zipper with storm flap
 - Elastic face
 - Elastic wrists
 - Elastic ankles
- Sizes: S – 5XL
Case Pack: 6



Coverall C3T151

- Respirator-fit hood
 - Storm flap over zipper
 - Elastic face
 - Elastic wrists
 - Attached boots
- Sizes: S – 5XL
Case Pack: 6



Coverall C3T165

- Attached respirator-fit hood
 - Double storm flap over zipper
 - Hook and loop closure
 - Elastic face and wrists
 - Attached boots with boot flaps
- Sizes: S – 5XL
Case Pack: 6



Coverall C3T166

- Respirator fit hood
 - Double storm flap over zipper
 - Elastic wrists and ankles
 - Velcro® closure over zipper
- Sizes: S – 5XL
Case Pack: 6



**IDEAL FOR
LAW ENFORCEMENT**



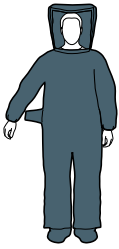
ChemMax® 3 Brand Features

Excellent chemical barrier

Chemical warfare agent tested

Fabric is lighter weight and more flexible than all major competitors

Encapsulated Suits



Encapsulated Suit C3T400

- Rear entry/Flat back
- 48" zipper/Storm flap
- 20 mil Vinyl face shield
- Elastic wrists
- 1 exhaust port/shroud
- Air tube inlet
- Attached sock boots with boot flap
- Suit is not gas/vapor tight

Sizes: S – 5XL
Case Pack: 1



Encapsulated Suit C3T450 – Level B

- Rear entry
- Expanded back
- 48" zipper
- Double storm flap
- 20 mil Vinyl face shield
- Elastic wrists
- 2 exhaust ports/shroud
- Attached sock boots with boot flap
- Suit is not gas/vapor tight

Sizes: S – 5XL
Case Pack: 1

ChemMax® 3 Configurations



Jacket C3T250

- Collar
- Elastic wrists
- Double storm flap
- Hook and loop closure

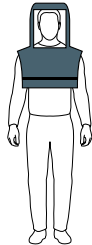
Sizes: S - 5XL
Case Pack: 6



Pant C3T320

- Elastic waist
- Elastic ankles

Sizes: M-4X
Case Pack: 6



Hood Long Bib Style C3T716

- Long Bib Style
- 20 mil Vinyl lens
- 1" hook and loop side straps

Case Pack: 250



Boot Covers C3T740P

- Elastic top
- 17" high

Sizes: One size
Case Pack: 12 pair

ChemMax® 3 Physical Properties

Property	Test Method	Units	ChemMax® 3
Basis Weight	ASTM D3776	oz./sq. yd	4.5
Grab Tensile MD	ASTM D5034	pounds	58.7
Grab Tensile XD		pounds	42.2
Trapezoidal Tear MD	ASTM D5733	pounds	25.6
Trapezoidal Tear XD		pounds	19.8
Ball Burst	ASTM D751	pounds	54.5
Surface Resistance	EN1149	Ω	Pass

Permeation Data for ASTM Recommended List of Chemicals for Evaluating Protective Clothing Materials (ASTM F1001)

Challenge Chemical	CAS Number	Physical State	ChemMax® 3
Acetone	67-64-1	Liquid	>480
Acetonitrile	75-05-8	Liquid	>480
Ammonia Gas	7664-41-7	Gas	>480
1,3-Butadiene Gas	106-99-0	Gas	>480
Carbon Disulfide	75-15-0	Liquid	178
Chlorine Gas	7782-50-5	Gas	>480
Dichloromethane	75-09-2	Liquid	>480
Diethylamine	109-89-7	Liquid	imm.
Dimethyl Formamide	68-12-2	Gas	>480
Ethyl Acetate	141-78-6	Liquid	>480
Ethylene Oxide Gas	75-21-8	Gas	>480
n-Hexane	110-54-3	Liquid	>480
Hydrogen Chloride Gas	7647-01-0	Gas	>480
Methanol	67-56-1	Liquid	>480
Methyl Chloride Gas	74-87-3	Gas	>480.
Nitrobenzene	98-95-3	Liquid	>480
Sodium Hydroxide, 50%	1310-73-2	Liquid	>480
Sulfuric Acid, 98%	7664-93-9	Liquid	>480
Tetrachloroethylene	127-18-4	Liquid	>480
Tetrahydrofuran	109-99-9	Liquid	320
Toluene	108-88-3	Liquid	>480

ND = None Detected

> = greater than

L = liquid

G = gas

Numbers reported are averages of samples tested by the ASTM F739 test method. Sample results do vary and therefore averages for these results are reported.

Warnings:

1. ChemMax® 3 is not flame resistant and should not be used around heat, flame sparks, or in potentially flammable or explosive environments.
2. Garments made of ChemMax® 3 should have slip resistant or anti-slip materials on the outer surface of boots, shoe covers or other garment surfaces in conditions where slipping could occur.

Note: Chemical Resistance Data is in accordance with ASTM F-739 test method. Testing is performed on fabric samples only, not finished garments. Sources for all test data are independent laboratory conditions and not actual use conditions.

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