

ICT450 Product Specification

Material

ICT450 Interceptor fabric is multi-layer/multi-film material which uses a combination of 8 barrier film layers and a non-woven diffusion layer sequenced to optimize protection from hazardous chemicals. Available color is blue, orange and Grey.

Physical Properties of Interceptor Fabric

Physical Properties	Test Method	Test Results
Basis Weight	ASTM D3776	325gsm
Abrasion	EN530	>2000 Class 6
Flex cracking	EN ISO7854	>2500 Class 2
Trap tear	ISO9073-4	244N/229N Class 6
Puncture	EN863	40.9N Class 2
Tensile strength	EN ISO13934-1	426N/292N Class 4
Ignition retardant	EN13274-4	Pass

Biological Hazard Protective Performance of Interceptor fabric

Interceptor has been tested to EN14126:2003 and passes all tests in the highest level.

Descriptions	Test Method	Test Results
Penetration by blood & body fluids- synthetic blood	ISO 16603:2004	Pass
Contract with blood & body fluids-blood borne pathogens- Phi-X17 bacteriophage	ISO 16604:2004	Pass Class 6 of 6
Protection against biologically contaminated aerosols	ISO/DIS 22611:2003	>5 (Log R) Class 3 of 3
Protection against dry microbial penetration	ISO 22612:2005	<1[Log(10)CFU] Class 3 of 3
Resistance to wet microbial penetration	ISO 22610:2006	>75 (mine) Class 6 of 6

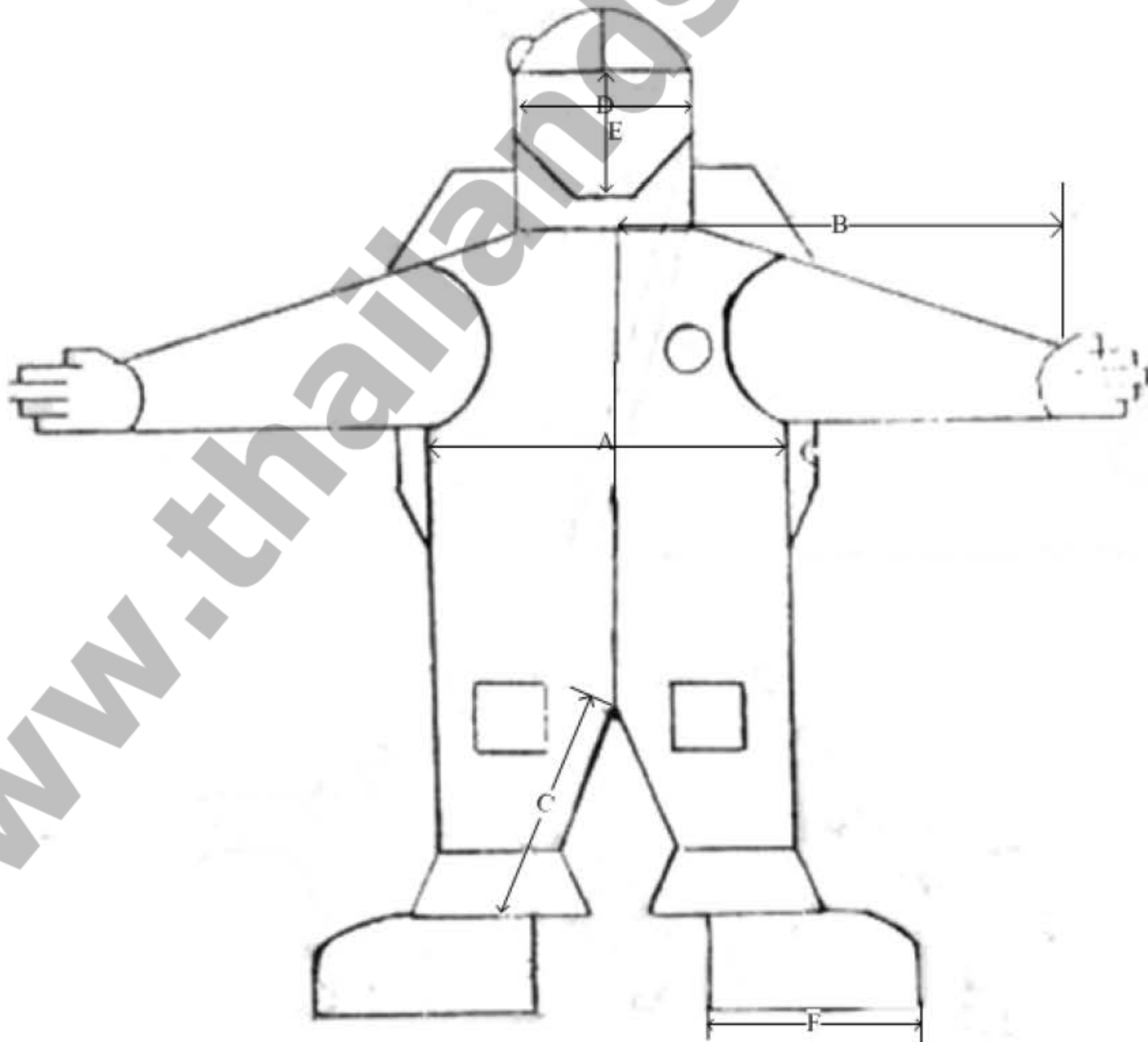
Garment Features

ICT450 Encapsulated suit (Level B), rear entry, expanded back, 48" zipper, storm flap, 20 mil PVC faceshield, elastic wrists, 2 exhaust ports with shroud, and attached sock boots with boot flaps.

Unit: cm

Tolerance: +/-2cm

Item	SM	MD	LG	XL	2XL	3XL	4XL
A. chest	78.00	79.50	81.70	83.00	89.00	93.00	94.00
B. sleeve	66.00	66.00	68.50	68.50	72.00	74.00	76.00
C. inseam	70.32	75.46	77.68	80.32	84.00	86.91	90.00
D. front crotch	58.42	58.42	58.42	58.42	58.42	58.42	58.42
E. cuff	43.18	43.18	43.18	43.18	43.18	43.18	43.18
F. foot opening	27.94	27.94	29.21	29.21	30.48	31.75	31.75



Chemical Permeation Data

CHEMICAL NAME(S)	CE Normalized Breakthrough Time (Minutes) @ 1.0 µg/cm ² /min.
1,1,2,2-Tetrabromoethane	>480
1,2 Butylene Oxide	>480
1,3-Butadiene	>480
2,2,2-Trichloroethanol	>480
2,3-Dichloro-1-Propene	>480
2,4-Dichlorophenoxyacetic acid	
4-Bromofuorobenzene	>480
Acetic Acid	470
Acetone	>480
Acetonitrile	>480
Acetyl Chloride	210
Acrolein	>480
Acrylic Acid	430
Acrylonitrile	>480
Allyl Chloride	>480
Ammonia	>480
Ammonia Gas	>480
Ammonium Fluoride	>480
Benzonitrile	>480
Benzoyl Chloride	>480
Bromine	120
Bromochloromethane	>480
Butyl Acrylate	>480
Carbon Disulfide	>480
Carbon Monoxide	>480
Carbon Tetrachloride	>480
Chlorine	>480
Chloroacetic Acid (saturated solution)	>480
Chloroacetyl Chloride	>480
Chlorobenzene	>480
Chlorosulfonic Acid	>480
Cyclohexylamine	>480
Cyclohexyl Isocyanate	>480
Dichloroacetyl Chloride	400
Dichloromethane	>480
Diethylamine	>480
Diethylene Glycol (Dimethyl Ether)	
Diethylenetriamine	>480

Dimethyl Sulfate	
Dimethyl Disulfide	>480
Dimethyl Ether (gas)	>480
Dimethyl Sulfoxide	>480
Dimethylformamide	>480
Di-n-Butyl Ether	>480
Ethyl Acetate	>480
Ethyl Acrylate	>480
Ethyl Methacrylate	>480
Ethyl Parathion	>480
Ethyl Vinyl Ether	>480
Ethylamine (gas)	>480
Ethyle Ether	>480
Ethylene Oxide	>480
Ferric Chloride	>480
Fluorine (Sodium Fluoride)	
Fluorobenzene	>480
Fluorosilic Acid (25 wt% aqueous sol.)	>480
Formic Acid	>480
Hexachloro-1,3 Butadiene	>480
Hexane	>480
Hydrazine Hydrate (64% hydrazine)	>480
hydrochloride Acid	>480
Hydriodic acid	>480
Hydrofluoric Acid	>480
Hydrogen Chloride	>480
Hydrogen Fluoride Gas	>480
Isobutane	>480
Isobutylbenzene	>480
Isoprene	>480
Maleic Acid	>480
Maleic Anhydride (solution)	>480
Methacrylic Acid	>480
Methanol	>480
Methyl Chloride	>480
Methyl Chloroformate	>480
Methyl Formate	>480
Methyl Iodide	>480
Methyl Mercaptan	>480
Methylamine(40% w/w H ₂ O)	>480
N,N-Dimethylaniline	>480
n-Butyl Acetate	>480

n-butylamine	>480
Nitric Acid	>480
Nitric Oxide	>480
Nitrobenzene	>480
Nitrochloro Benzene (ethanol solution)	>480
Nitrogen Tetroxide (<10°C)	>480
Nonylamine	>480
Oleum	>480
Oxalic Acid (solution)	>480
Phenol	>480
Phosphoric Acid	>480
Potassium Hydroxide	>480
Propionaldehyde	>480
Propionic Acid	>480
Pyridine	
Sodium Hydroxide	>480
Sulfur Trioxide	>480
Sulfuric Acid	>480
Tetrachloroethylene	>480
Tetrahydrofuran	>480
Thionyl Chloride	30
Tiethoxysilane	>480
Toluene	>480
Toluene-2,4-Diisocyanate	>480
Trichloroacetic Acid	>480
Trichloroethylene	>480
Vinyl Acetate	>480
Vinyl Bromide	>480