

uvex 3B chem light



Modell:	7435
Article No.:	89843
Size:	S – 3XL
Material:	Polypropylene SMS laminated with Polyethylene film
Colour:	White-yellow
Order Unit:	1 PC
Outer packaging	40 PC per CT

PPE-Category III



Certified according to



Areas of application:

- handling low-concentration chemicals
- industrial and building cleaning
- ship building and automobile manufacture
- chemical and pharmaceutical industries
- handling paints and varnishes
- electronics
- handling and dismantling of asbestos
- remediation of contaminated sites
- livestock breeding and veterinary medicine
- waste management

Product description:

- **Protective clothing against infective agents**
- light and highly flexible material for high wearer comfort, skin-friendly non-woven material inside
- Taped seams for additional protection
- ideal for cleaning work
- optimal protection thanks to self-adhesive zipper flap
- elasticated waistband for optimal fit
- secure and comfortable closures thanks to elasticated bands on hood, arms and legs
- middle finger loops for securing the sleeves

Performance data*:

	unit	Ergebnis Bereich / result	Klasse / class
EN 14325 physical properties			
EN 530 Abrasion resistance	cycles	> 100	2 of 6
EN ISO 7854 Flex cracking resistance	cycles	> 1.000	1 of 6
EN ISO 9073-4 Tear resistance (MD)	N	> 20	2 of 6
EN ISO 9073-4 Tear resistance (CD)	N		
EN ISO 13934-1 Tensile strength (MD)	N	> 60	2 of 6
EN ISO 13934-1 Tensile strength (CD)	N		
EN 863 Puncture resistance	N	> 10	2 of 6
EN ISO 13938-1 Burst resistance	kPa		
EN 13274-4 Resistance to ignition		-	-
EN 14325 chemical properties			
ISO 6529 Resistance to permeation by liquids			
Sulphuric acid (98%)	min.	> 480	6 of 6
Sodium hydroxide (48%)	min.	> 480	6 of 6
n-Heptane (undiluted)	min.	-	-
Isopropanol	min.	-	-
Electrostatic properties			
EN 1149-5: Electrostatic properties	Ω	passed	-
Whole suit test results			
EN ISO 13935-2 seam strength	N	> 75	3 of 3
Type-tests			
EN 14605 / ISO 17491-3 Jettest (Type 3)		passed	-
EN 14605 / EN 17491-4 Spraytest (Type 4)		passed	-
EN ISO 13982-1 / EN ISO 13982-2 Particle penetration test (Type 5)*2	TIL %	passed	-
Radioactive Particles			
EN 1073-2 Barrier to radioactive particulates		passed	1 of 3
EN 25978 Resistance zu blocking - coated materials		kein Blocken / no blocking	

* Tested under laboratory conditions: temperature (20 ± 2)°C and (65 ± 5)% relative humidity

*2 Particle size according to details on testing substance as mentioned in EN136, 8.16.3.2.2: "particle size description must be 0,02µm - 2µm EAD with a MMD of 0,6µm"

Performance data – Permeation*3:

	unit	Ergebnis Bereich / result	Klasse / class
EN 14126 Barrier to infective agents			
ISO 16603: Determination of the resistance of protective clothing materials to penetration by blood and body fluids — Test method using synthetic blood	kPa		6 of 6
ISO 16604: Determination of resistance of protective clothing materials to penetration by blood-borne pathogens — Test method using Phi-X174 bacteriophage	kPa		6 of 6
EN ISO 22610: Resistance to wet bacterial penetration (mechanical contact)	min		6 of 6
ISO/DIS 22611: Resistance to penetration by biologically contaminated liquids	log R		3 of 3
ISO/DIS 22612: Resistance to penetration by biologically contaminated dust	log cfu		3 of 3
EN 14126: attachment A Resistance to penetration by infective agents due to mechanical contact with substances containing contaminated liquids	min		6 of 6

EN ISO 6529/EN 374-3 Resistance to permeation by liquids*3	CAS-No.	value [min.]	class
Acetone	67-64-1	>480	6 of 6
Acetonitrile	75-05-8	>480	6 of 6
Ammonia Hydroxide (25% wt)	1336-21-6	<2	0 of 6
Acrylid Acid (90% v/v)	79-10-7	51	2 of 6
Diesel Fuel (>99%)	68334-30-5	16	1 of 6
Hydrochlorid Acid (37%)	7647-01-0	425	5 of 6
Hydroflouric Acid (48-51% wt)	7664-39-3	>480	6 of 6
Hydroflouric Acid (58-62% wt)	7664-39-3	419	5 of 6
Isopropyl Alcohol	67-63-0	>480	6 of 6
Methanol	67-56-1	>480	6 of 6
Nitric Acid (60% wt)	7697-37-2	>480	6 of 6
Phenol (Liquified 89% in water)	108-95-02	>480	6 of 6
Phosphoric Acid (>85%)	7664-38-2	>480	6 of 6
Potassium Hydroxide (48% wt)	1310-58-3	>480	6 of 6
Sodium Hydroxide (48% w/w)	1310-73-2	>480	6 of 6
Sodium Hypochlorite Solution (10-15% available chlorine)	7681-52-9	>480	6 of 6
Sulphuric Acid (98% w/w)	7664-93-9	>480	6 of 6

*3 The data listed in the table above was developed under laboratory conditions (temperature of room, permeation cells, challenge chemical and the liquid collecting medium (23 ± 1) °C). As additional influences such as higher temperature and mechanical strain often occur in practice, these results should only be used as a guideline. This data is without guarantee and does not substitute any extensive suitability tests..