uvex 3B classic

Modell:	9881
Article No.:	98757
Size:	S – 3XL
Material:	Polypropylene spunbound laminated with Polypropylene film
Colour:	green
UV-Protection:	UPF 50+
Retail Unit:	25 pcs.

PSA-Categorie III

Certified according to

Areas of application:

- handling organic and inorganic chemicals
- cleaning and maintenance work
- chemical and pharmaceutical industries
- food industry
- remediation of soil contamination and dismantling
- industrial cleaning and maintenance
- oil and petrochemicals, tank cleaning
- work with paints and varnishes
- disposal of hazardous materials
- agricultural industry
- waste water treatment and drainage construction
- waste management
- disaster response and emergency services
- veterinary medicine and disease control

Product description:

- highly durable, low noise material combined with ultra-sonically welded and taped seams ensure an effective barrier and maximum safety
- offers protection against a wide range of chemicals
- skin-friendly textile grip on inside
- optimal protection thanks to self-adhesive zipper flap
- elasticated waistband for a perfect fit
- secure and convenient closures thanks to elasticated bands on hood, arms and legs
- middle finger loops prevent sleeves sliding up the arm

Performance data*:

Material properties	unit	value	class
EN 14325 Fabric physical test results			
EN 530 Abrasion resistance	cycles		min 1 of 6
EN ISO 7854 Flex cracking resistance	cycles		min 1 of 6
EN ISO 9073-4 Tear resistance (MD)	N		min 1 of 6
EN ISO 9073-4 Tear resistance (CD)	N		min 1 of 6
EN ISO 13934-1 Tensile strength (MD)	N		min 1 of 6
EN ISO 13934-1 Tensile strength (CD)	N		min 1 of 6
EN 863 Puncture resistance	N		2 of 6
EN 13274-4 Resistance to ignition		pass	
EN 1149-5 Anti-static	Ω	pass	
EN 14325/EN 368 Repellence of liquids			
Sulphuric acid (30%)	%		3 of 3
Sodium hydroxide (10%)	%		2 of 3
Butan-1-ol	%		1 of 3
o-Xylene	%		2 of 3
EN 14325/EN 368 Resistance to penetration by liquids			
Sulphuric acid (30%)	%		3 of 3
Sodium hydroxide (10%)	%		3 of 3
Butan-1-ol	%		3 of 3
o-Xylene	%		3 of 3
Whole suit test results			
EN ISO 13935-2 Seam strength	N	>125<300	4 of 6
EN 14605/EN 463 Jet test Type 3		pass	
EN 14605/EN 468 Spray test Type 4		pass	
EN ISO 13982-1-2 Particle penetration test Type 5*²	TIL %	< 15	pass
EN 13034/EN 468 Reduced spray test Type 6		pass	
EN 1073-2 Barrier to radioactive particulates		pass	1 of 3
EN 14126 Barrier to infective agents			
ISO 16604/16603 Resistance to penetration by blood/fluids under pressure and by blood borne pathogens (bacteriophagen-test)	kPa	>20	6 of 6
EN 14126 attachment A Resistance to penetration by infective agents due to mechanical contact with substances contraining contaminated liquids	min	>75	6 of 6
ISO/DIS 22611 Resistance to penetration by biologically contaminated liquids	log ratio	>5	3 of 3
ISO/DIS 22612 Resistance to penetration by biologically contaminated dust	log cfu	≤ 1	3 of 3

* 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]:

EN ISO 6529/EN 374-3 Resistance to permeation by liquids*[3]		unit	value	class
Acetone	CAS-no. 67-64-1	min	30	1 of 6
Acetic acid, Glacial (99,88%)	CAS-no. 64-19-7	min	>480	6 of 6
Acetic Anhydride (99,5%)	CAS-no. 108-24-7	min	>480	6 of 6
Acrylic acid	CAS-no. 79-10-7	min	>480	6 of 6
Ammonium hydroxide (25%)	CAS-no. 1336-21-6	min	>480	6 of 6
Aniline	CAS-no. 62-53-3	min	283	5 of 6
Benzene	CAS-no. 71-43-2	min	2	0 of 6
Benzyl alcohol (99%)	CAS-no. 100-51-6	min	262	5 of 6
Benzyl Chlorid	CAS-no. 100-44-7	min	16	1 of 6
Bromine	CAS-no. 7726-95-6	min	2	0 of 6
Butanol	CAS-no. 71-36-3	min	>480	6 of 6
Butyl acetate	CAS-no. 123-86-4	min	3	0 of 6
Chloroacetic acid (80%)	CAS-no. 79-11-8	min	>480	6 of 6
Chromium Trioxide (50%)	CAS-no. 1333-82-0	min	>480	6 of 6
Cresols, mixed	CAS-no. 1319-77-3	min	>480	6 of 6
Diesel fuel	CAS-no. 70892-10-3	min	75	3 of 6
5-Aminopropyldimethylamine	CAS-no. 109-55-7	min	23	1 of 6
Dichloroethane, 1,2-	CAS-no. 107-06-2	min	4	0 of 6
Ethanolamine	CAS-no. 141-43-5	min	>480	6 of 6
Ethyl Acetate	CAS-no. 141-78-6	min	0	0 of 6
Ethylene diamine	CAS-no. 107-15-3	min	>480	6 of 6
Ethylene glycol	CAS-no. 107-21-1	min	>480	6 of 6
Ferric Chlorid (45%)	CAS-no. 7705-08-0	min	>480	6 of 6
Formaldehyde (10%)	CAS-no. 50-00-0	min	>480	6 of 6
Formic Acid (96%)	CAS-no. 64-18-6	min	>480	6 of 6
Heptane, n-	CAS-no. 142-82-5	min	0	0 of 6
Hexamethylene Diamine, 1,6-	CAS-no. 124-09-4	min	>480	6 of 6
Hexane, n-	CAS-no. 110-54-3	min	0	0 of 6
Hydrobromic acid	CAS-no. 10035-10-6	min	>480	6 of 6
Hydrochloric acid (36-37%)	CAS-no. 7647-01-0	min	>480	6 of 6
Hydrofluoric acid (49%)	CAS-no. 7664-39-3	min	>480	6 of 6
Hydrofluoric acid (62-64% in urea)	CAS-no. 7664-39-3	min	41	2 of 6
Hydrofluoric acid (71-75%)	CAS-no. 7664-39-3	min	170	4 of 6
Hydrogen peroxide	CAS-no. 7722-84-1	min	>480	6 of 6
Isopropanol	CAS-no. 67-63-0	min	>480	6 of 6
1-(3-aminopropyl)imidazole	CAS-no. 5036-48-6	min	>480	6 of 6
Kerosene	CAS-no. 8008-20-6	min	13	1 of 6
Methanol	CAS-no. 67-56-1	min	>480	6 of 6
Methacrylic acid	CAS-no. 79-41-4	min	146	4 of 6
Mercury	CAS-no. 7439-97-6	min	>480	6 of 6
Nitric acid (69,5%)	CAS-no. 7697-37-2	min	>480	6 of 6
Nitrobenzene	CAS-no. 98-95-3	min	>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.

Performance data – Permeation*[3]:

EN ISO 6529/EN 374-3 Resistance to permeation by liquids*[3]		unit	value	class
Oxalic acid (10%)	CAS-no. 144-62-7	min	>480	6 of 6
Perchloric acid (30%)	CAS-no. 7601-90-3	min	>480	6 of 6
Petrol (unleaded)	CAS-no. 8006-61-9	min	2	0 of 6
Phenol (85%)	CAS-no.108-95-2	min	>480	6 of 6
Phosporic acid (85%)	CAS-no. 7664-38-2	min	>480	6 of 6
Phosphorus trichloride	CAS-no. 7719-12-2	min	1	0 of 6
Potassium cyanide (saturated)	CAS-no. 151-50-8	min	>480	6 of 6
Potassium hydroxide (50%)	CAS-no. 1310-58-3	min	>480	6 of 6
Potassium hydroxide (80-86%)	CAS-no. 1310-58-3	min	>480	6 of 6
Sodium chloride (saturated)	CAS-no. 7647-14-5	min	>480	6 of 6
Sodium cyanide (saturated)	CAS-no. 143-33-9	min	>480	6 of 6
Sodium fluoride (saturated)	CAS-no. 7681-49-4	min	>480	6 of 6
Sodium hydroxide (20%)	CAS-no. 1310-73-2	min	>480	6 of 6
Sodium hydroxide (50%)	CAS-no. 1310-73-2	min	>480	6 of 6
Sodium hydroxide (50%) at 80°C	CAS-no. 1310-73-2	min	>480	6 of 6
Sodium hypochlorite solution (14,5% available chlorine)	CAS-no. 7681-52-9	min	>480	6 of 6
Sulphuric acid (96%)	CAS-no. 7664-93-9	min	>480	6 of 6
Sulphuric acid (50%) at 80°C	CAS-no. 7664-93-9	min	>480	6 of 6
Tetramethylammonium hydroxide	CAS-no. 75-59-2	min	>480	6 of 6
Tetrahydrofuran	CAS-no. 109-99-9	min	0	0 of 6
Toluene	CAS-no. 108-88-3	min	0	0 of 6
Trichloroacetic acid	CAS-no. 76-03-9	min	>480	6 of 6
Xylene, m-	CAS-no. 108-42-3	min	2	0 of 6
Xylene, p-	CAS-no. 106-42-3	min	0	0 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..