



PERMEATION DATA - (EN)

Chemical	CAS	Physical State	BT 1.0	Level
Acetone	67-64-1	Liquid	15	1
Acrylic acid (98%)	79-10-7	Liquid	61	3
Formic acid (96%)	64-18-6	Liquid	>480	6
Aniline	62-53-3	Liquid	>480	6
Benzonitrile	100-47-0	Liquid	>480	6
Bromoacetic acid (80%)	79-08-3	Liquid	352	5
Butanol n-	71-36-3	Liquid	>480	6
Chlorine	7782-50-5	Vapor	7	
Chromic acid (80%)	7778-50-9	Liquid	>480	6
Chromic acid (45%)	7778-50-9	Liquid	>480	6
Dimethyl Sulphate	77-78-1	Liquid	>480	6
Ferric III Chloride (45%)	7705-08-0	Liquid	>480	6
Acetic acid (10%)	64-19-7	Liquid	>480	6
Acetic acid (99,88%)	64-19-7	Liquid	2	
Acetic acid (70%)	64-19-7	Liquid	>480	6
Chloroacetic Acid (79%)	79-11-8	Liquid	>480	6
Acetic Anhydride (99%)	108-24-7	Liquid	4	
Hydrofluoric acid (48%)	7664-39-3	Liquid	>480	6
Hydrofluoric acid (70%)	7664-39-3	Liquid	>480	6
Formalin (10%)	50-00-0	Liquid	>480	6
Formaldehyde (37%)	50-00-0	Liquid	>480	6
Glutaraldehyde (5%)	111-30-8	Liquid	>480	6
Fluorosilicic (33-35%)	16961-83-4	Liquid	>480	6
Ildrazine monohydrate (98)	7803-57-8	Liquid	>480	6
Isopropanol	67-63-0	Liquid	>480	6
Sodium Hypochlorite (50° C)(5,25%)	7681-52-9	Liquid	>480	6
Potassium chormate (sat)(60%)	7789-00-6	Liquid	>480	6
Potassium chormate 15%	7789-00-6	Liquid	402	5
Potassium cyanide (10%)	151-50-8	Liquid	>480	6
Potassium hydroxide (23%)	1310-58-3	Liquid	>480	6
Potassium hydroxide (40%)	1310-58-3	Liquid	>480	6
Cresols, mixed	1319-77-3	Liquid	>480	6
Methanol	67-56-1	Liquid	>480	6
Sodium carbonate (sat)	497-19-8	Liquid	>480	6
Sodium Chloride (sat)	7647-14-5	Liquid	>480	6
Sodium fluoride (sat)	7681-49-4	Liquid	>480	6
Sodium Hydroxide (50%)	1310-73-2	Liquid	>480	6
Sodium Hydroxide	1310-73-2	Solid	>480	6
Sodium Hypochlorite Solution (5,25%)	7681-52-9	Liquid	>480	6
Sodium Hypochlorite (15%)	7681-52-9	Liquid	>480	6
Sodium hydroxide (42%)	1310-73-2	Liquid	>480	6
Sodium hydroxide (50%) 50° C	1310-73-2	Liquid	>480	6
Sodium hydroxide (50%)	1310-73-2	Liquid	>480	6
Nitrobenzene (99,9%)	98-95-3	Liquid	>480	6
Oleum (20%)	8014-95-7	Liquid	75	3
Perchloric Acid (30%)	7601-90-3	Liquid	>480	6
Perchloric Acid (70%)	7601-90-3	Liquid	388	5
Phenol (85%)	108-95-2	Liquid	>480	6
Potassium carbonate (sat)	584-08-7	Liquid	>480	6
Potassium Chloride	7447-40-7	Liquid	>480	6
Hydrochloric acid (37%)	7647-01-0	Liquid	55	2
Sulphuric acid (16%)	7664-93-9	Liquid	>480	6
Sulphuric acid (50%)	7664-93-9	Liquid	>480	6
Sulphuric acid (93%)	7664-93-9	Liquid	>480	6
Sulphuric acid (98%)	7664-93-9	Liquid	>480	6
Styrene oxide (98.0 wt%)	96-09-3	Liquid	>480	6
Hydrogen peroxide (30%)	7722-84-1	Liquid	>480	6
Hydrogen peroxide (50%)	7722-84-1	Liquid	>480	6
Zinc bromide (sat)	7699-45-8	Solid	>480	6

The permeation data published have been generated for ASATEX AG by independent accredited testing laboratories according to the test method (EN ISO 6529 (method A)).

Classification according to EN 14325:2018

Standard ISO 6529:2013

BT 1.0 Normalized breakthrough time at 1.0 µg/cm²/min

CAS-Number (Chemical abstracts service registry number)

The tests were performed between 20 °C and 27 °C and at environmental pressure unless otherwise stated. A different temperature may have significant influence on the breakthrough time.

The performance levels indicated are based on certain breakthrough times for constant contact with the chemical product, in normal laboratory conditions. The protection provided by the garment in the workplace may vary significantly from these performance levels.

Breakthrough time alone is insufficient to determine how long a garment may be worn once the garment has been contaminated. Safe user wear time may be longer or shorter than the breakthrough time.

Please use the permeation data provided as a part of the risk assessment to assist with the selection of a protective fabric, garment, glove or accessory suitable for your application.