

The permeation breakthrough times present in this chart were evaluated according to the EN ISO 374 standard. Coloured cells with numbers and the symbol **C** are extracted from data generated by an accredited laboratory. The data in the rest of the cells correspond to estimations.



MATERIAL				Nitrile	Nitrile	Nitrile / Neoprene	Neoprene / Natural Rubber	NRL / Neoprene / Nitrile	Nitrile	Nitrile	PVA	Butyl	Neoprene / Laminate film	LLDPE
THICKNESS (MM)				0.07 mm / 2.8 mil	0.125 mm / 4.9 mil	0.20 mm / 7.9 mil	0.68 mm / 26.8 mil	0.45 mm	N.A.	0.56 mm / 22 mil	N.A.	0.35 mm / 14 mil	N.A.	0.062 mm / 2.5 mil
PRODUCT NAME / STYLE				MICROFLEX™ XCEED™ 93-833 XC-310	TouchNTuff™ 92-500.600.605/ 93-250.300.700	MICROFLEX™ 93-260.360	AlphaTec™ 87-900	TouchNTuff™ 93-800	AlphaTec™ 58-530.535	AlphaTec™ Solvex™ 37-185.165/58-008	AlphaTec™ 15-554	AlphaTec™ 38-001	AlphaTec™ 53-002.003	AlphaTec™ 02-100
CAS	CHEMICAL NAME	%	PS											
76-13-1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	100	I	<10'	10-30'	<480'	120-240'	120-240'	120-240'	>480' C	240-480'	<10	10-30'	240-480'
108-65-6	1-METHOXY-2-PROPYLACETATE	100	I	<10'	<10'	10-30'	10-30'	10-30'	60-120'	120-240'	>480'	>480'	>480'	>480'
64-19-7	ACETIC ACID	100	I	<10'	7' C	30' C	45' C	81' C	42' C	190' C	<10'	>480'	>480' C	158' C
67-64-1	ACETONE	100	I	<1' C	<10'	3' C	8' C	21' C	6' C	<10'	101' C	>480' C	>480' C	>480' C
75-05-8	ACETONITRILE	100	I	<1' C	<5' C	5' C	14' C	44' C	5' C	20' C	330' C	>480' C	>480' C	>480' C
79-10-7	ACRYLIC ACID	100	I	<10'	<5' C	30-60'	60-120'	60-120'	10-30'	120-240'	10-30'	>480'	136' C	>480'
107-13-1	ACRYLONITRILE	100	I	<10'	<10'	3' C	9' C	29' C	6' C	<10'	>480' C	240-480'	60-120'	>480' C
107-18-6	ALLYLALCOHOL	100	I	<10'	<10'	30-60'	30-60'	30-60'	30-60'	120-240'	<10'	>480'	>480'	>480'
7664-41-7	AMMONIA, GAS	100	G	<10'	13' C	10-30'	30-60'	61' C	30-60'	240-480'	11' C	>480'	240-480'	>480' C
1336-21-6	AMMONIUM HYDROXIDE	25	I	<1' C	29' C	51' C	22' C	71' C	288' C	>480'	<10'	>480'	>480' C	27' C
71-43-2	BENZENE	100	I	<10'	<10'	5' C	<10'	7' C	8' C	32' C	>480'	<10'	>480' C	>480' C
98-88-4	BENZOYL CHLORIDE	100	I	<10'	<10'	<10'	<10'	<10'	<10'	10-30'	>480'	<10'	10-30'	>480' C
80-05-7	BISPHENOL A	100	S	>480'	>480'	>480'	>480'	>480'	>480'	>480'	>480'	>480'	>480'	>480'
590-92-1	BROMOPROPIONIC ACID	100	S	120-240'	240-480'	>480'	>480'	>480'	>480'	>480'	>480'	>480'	>480'	>480'
111-76-2	BUTYLGLYCOL	100	I	10-30'	10-30'	60-120'	30-60'	60-120'	120-240'	240-480'	120-240'	>480'	>480'	>480'
75-15-0	CARBON DISULFIDE	100	I	<10'	<5' C	1' C	<5' C	2' C	<10'	<5' C	>480' C	<10'	>480' C	>480' C
56-23-5	CARBON TETRACHLORIDE	100	I	<10'	<10'	39' C	<10'	<10'	60-120'	120-240'	>480'	10-30'	>480' C	240-480'
67-66-3	CHLOROFORM	100	I	<10'	<10'	3' C	<10'	<2' C	<10'	<10'	>480'	<10'	30' C	17' C
8007-45-2	COAL TAR	100	I	10-30'	>480'	>480'	240-480'	240-480'	>480'	>480'	>480'	>480'	>480'	>480' C
108-93-0	CYCLOHEXANOL	100	I	10-30'	120-240'	>480' C	30-60'	>480' C	240-480'	>480'	240-480'	>480'	>480'	>480'
108-94-1	CYCLOHEXANONE	100	I	<10'	<5' C	10' C	30-60'	33' C	24' C	113' C	>480'	>480'	>480' C	>480' C
84-74-2	DIBUTYLPHTHALATE	100	I	30-60'	120-240'	240-480'	>480'	>480'	>480'	>480'	>480'	>480'	>480'	>480'
75-09-2	DICHLOROMETHANE	100	I	<10'	<10'	2' C	<10'	<2' C	<10'	<10'	>480' C	<10'	23' C	65' C
68334-30-5	DIESEL LS	100	I	240-480'	>480' C	>480'	30-60'	30-60'	>480'	>480'	>480'	30-60'	>480'	>480'
109-89-7	DIETHYLAMINE	100	I	<1' C	1' C	6' C	<5' C	<3' C	28' C	55' C	9' C	<10'	>480' C	>480' C
110-85-0	DIETHYLENEDIAMINE	100	S	>480'	>480'	>480'	>480'	>480'	>480'	>480'	>480'	>480'	>480'	>480'
68-12-2	DIMETHYLFORMAMIDE	100	I	<10'	<5' C	9' C	51' C	70' C	18' C	43' C	13' C	>480'	222' C	>480' C
67-68-5	DIMETHYLSULFOXIDE	100	I	4' C	5' C	93' C	>480' C	>480' C	120-240'	240-480'	<10'	>480'	>480'	>480'
64742-47-8	DISTILLATE (PETROLEUM), HYDROTREATED LIGHT	100	I	>480'	>480'	>480'	30-60'	60-120'	>480'	>480'	>480'	10-30'	>480'	>480'
64-17-5	ETHANOL	100	I	2' C	<10'	130' C	30-60'	146' C	120-240'	>480'	10-30'	>480'	>480' C	>480' C
141-43-5	ETHANOLAMINE	100	I	10-30'	60-120'	120-240'	60-120'	60-120'	>480'	>480'	240-480'	>480'	>480'	>480'
64-17-5	ETHYL ALCOHOL	50	I	10-30'	30-60'	>480'	120-240'	10' C	>480' C	>480'	<10'	77' C	>480'	>480'
110-80-5	ETHYL GLYCOL	100	I	<10'	5' C	30-60'	10-30'	>480'	60-120'	240-480'	68' C	>480'	>480'	>480'
141-78-6	ETHYL ACETATE	100	I	<1' C	1' C	5' C	9' C	120-240'	15' C	18' C	>480' C	>480'	>480'	>480' C
64-17-5	ETHYL ALCOHOL	96	I	<10'	<10'	120-240'	30-60'	30-60'	120-240'	>480'	10-30'	>480'	>480'	>480'
111-15-9	ETHYL GLYCOL ETHYL ETHER ACETATE	100	I	<10'	<10'	30-60'	10-30'	30-60'	30-60'	129' C	>480'	>480'	>480'	>480'
107-21-1	ETHYLENE GLYCOL	100	I	>480'	>480'	>480' C	>480'	>480'	>480'	>480'	120-240'	>480'	>480'	>480'
50-00-0	FORMALDEHYDE	37	I	>480' C	>480' C	>480' C	>480' C	>480' C	>480' C	>480' C	<10'	>480' C	>480' C	>480'
64-18-6	FORMIC ACID	98	I	<10'	<10'	20' C	108' C	169' C	10-30'	30-60'	<10'	240-480'	>480'	>480' C
96-48-0	GAMMA-BUTYROLACTONE	100	I	<10'	<10'	<10'	60-120'	60-120'	10-30'	30-60'	120-240'	>480'	>480'	>480'
8006-61-9	GASOLINE	100	I	<10'	84' C	120-240'	7' C	10-30'	120-240'	240-480'	>480'	10-30'	>480'	>480' C
111-30-8	GLUTARALDEHYDE, 50%	50	I	>480' C	>480' C	>480'	>480'	>480'	>480'	>480'	<10' C	>480'	>480'	>480' C
142-82-5	HEPTANE	100	I	>480' C	>480' C	>480' C	10-30'	>480' C	>480' C	>480' C	>480' C	<10'	>480' C	>480' C
999-97-3	HEXAMETHYLDISILAZANE	100	I	10-30'	60-120'	>480' C	30-60'	60-120'	240-480'	>480'	>480'	240-480'	120-240'	>480'
7647-01-0	HYDROCHLORIC ACID	37	I	15' C	51' C	>480' C	>480' C	>480' C	>480' C	>480' C	<10' C	>480'	>480' C	>480' C
7664-39-3	HYDROFLUORIC ACID	49	I	<10'	<5' C	93' C	>480' C	>480' C	48' C	120-240'	<10'	>480'	>480'	>480' C
7722-84-1	HYDROGEN PEROXIDE	30	I	30' C	33' C	446' C	>480' C	>480' C	>480' C	368' C	<10'	>480' C	>480' C	>480'
540-84-1	ISOOCTANE	100	I	240-480'	>480' C	>480'	30-60'	>480'	>480' C	>480'	>480'	10-30'	>480'	>480'
78-59-1	ISOPHORONE	100	I	<10'	10-30'	60-120'	30-60'	30-60'	120-240'	240-480'	>480' C	>480'	>480'	>480'
67-63-0	ISOPROPANOL	100	I	109' C	117' C	380' C	123' C	>480' C	>480' C	>480' C	72' C	>480'	>480' C	>480'
67-63-0	ISOPROPANOL	70	I	>480' C	178' C	240-480'	120-240'	>480' C	>480'	>480'	<10'	>480'	>480'	>480'
108-10-1	METHYL ISOBUTYL KETONE	100	I	<10'	1' C	<10'	9' C	10-30'	<10'	30-60'	240-480'	60-120'	10	