

West Chester Chemical Resistance Guide



West Chester Holdings
100 Corridor Park Drive
Monroe, Ohio 45050
1-800-647-1900
www.west-chester.net

Chemical	Unsupported Nitrile			Unsupported Neoprene			Unsupported Latex			Unsupported Neoprene/Latex			Supported PVC	
	EN 374 Rating (0-6)	BT Time in Minutes	Avg. Degrad. Rate	EN 374 Rating (0-6)	BT Time in Minutes	Avg. Degrad. Rate	EN 374 Rating (0-6)	BT Time in Minutes	Avg. Degrad. Rate	EN 374 Rating (0-6)	BT Time in Minutes	Avg. Degrad. Rate	EN 374 Rating (0-6)	BT Time in Minutes
ACETALDEHYDE	-	-	-	0	5	F	0	10	G	0	3	F	0	7
ACETIC ACID	3	80	G	4	124	E	4	167	E	2	55	G	6	>480
ACETONE	-	-	-	0	10	E	1	14	E	0	9	G	0	3
ACETONITRILE	2	<15	G	1	30	E	2	30	E	1	25	E	1	14
ACETOPHENONE	-	-	-	-	-	-	-	-	-	-	-	-	3	95
ACRYLAMIDE	-	-	-	-	-	-	-	-	-	-	-	-	6	>480
ACRYLIC ACID	3	75	F	2	53	G	4	88	G	2	44	P	-	-
ALLYL ALCOHOL	-	-	-	-	-	-	-	-	-	-	-	-	3	62
AMMONIUM Fluoride	6	>480	E	6	>480	E	6	>480	E	6	>480	E	6	>480
AMMONIUM HYDROXIDE	6	>480	E	5	460	E	3	60	E	1	30	E	6	>480
AMYL ACETATE	4	183	E	-	-	-	-	-	-	1	13	NR	2	45
AMYL ALCOHOL	6	>480	E	4	160	E	6	>480	E	-	-	-	6	>480
ANILINE	-	-	-	2	50	P	3	70	E	3	61	G	3	65
AQUA REGIA	5	280	E	5	420	E	-	-	-	6	>480	E	-	-
BENZALDEHYDE	-	-	-	-	-	-	1	23	P	1	19	NR	3	60
BENZENE	-	-	-	-	-	-	-	-	-	-	-	-	1	17
Bromopropionic Acid	6	>480	E	6	>480	E	4	240	E	-	-	-	-	-
BUTONAL	-	-	-	-	-	-	-	-	-	-	-	-	3	102
BUTOXYETHANOL	-	-	-	-	-	-	-	-	-	-	-	-	6	>480
BUTYL ACETATE	3	66	F	-	-	-	-	-	-	0	10	NR	3	60
BUTYL ALCOHOL	6	>480	E	4	185	E	4	142	E	2	48	E	-	-
BUTYL CELLOSOLVE	6	>480	E	2	48	G	3	68	E	1	25	G	6	>480
BUTYROLACTONE	-	-	-	3	69	E	3	100	E	-	-	-	-	-
CARBON DISULFIDE	1	14	F	-	-	-	-	-	-	0	3	NR	-	-
CARBON TETRACHLORIDE	6	>480	E	-	-	-	-	-	-	1	12	NR	-	-
CAUSTIC POTASH 45%	-	-	-	-	-	-	-	-	-	-	-	-	6	>480
CAUSTIC SODA 50%	-	-	-	-	-	-	-	-	-	-	-	-	6	>480
CELLOSOLVE ACETATE	3	100	G	1	23	F	1	25	G	1	14	P	-	-
CHLOROFORM	-	-	-	-	-	-	-	-	-	-	-	-	0	11
CHROMIC ACID	6	>480	E	-	-	-	-	-	-	1	15	NR	6	>480
CITRIC ACID	6	>480	E	6	>480	G	6	>480	P	6	>480	E	-	-
CYCLOEXANOL	6	>480	E	5	390	E	5	359	P	4	146	E	6	>480
DIACETONE ALCOHOL	5	273	E	2	38	E	0	6	P	3	84	E	6	>480
DIBUTYL PHTHALATE	6	>480	E	6	>480	G	6	>480	G	6	>480	G	6	>480
DIETHYLAMINE	2	25	G	-	-	-	-	-	-	-	-	-	0	6
DIISOBUTYL KETONE	6	>480	E	-	-	-	-	-	-	-	-	-	-	-
DIMETHYL SULFOXIDE	4	166	G	5	281	E	5	420	E	-	-	-	-	-
DIOCTYL PHTHALATE	6	>480	G	5	430	G	-	-	-	6	>480	E	-	-
ETHYL ACETATE	-	-	-	-	-	-	0	6	G	0	6	NR	-	-
ETHYL ALCOHOL	5	293	E	3	83	F	4	175	E	-	-	-	-	-
ETHYL ETHER	2	48	E	0	3	G	0	4	F	0	3	NR	-	-
ETHYL GLYCOL ETHER	4	151	F	2	51	E	3	77	F	2	32	E	-	-
ETHYLENE GLYCOL	6	>480	E	6	>480	E	6	>480	E	-	-	-	-	-
FORMALDEHYDE	6	>480	E	3	107	E	6	>480	E	-	-	-	6	>480
FORMIC ACID	3	60	P	6	>480	E	6	>480	E	5	250	E	6	>480
FREON TF	6	>480	P	6	>480	G	-	-	-	-	-	-	-	-
FURFURAL	-	-	-	2	26	F	1	24	E	1	19	G	-	-
GASOLINE	6	>480	E	-	-	-	-	-	-	-	-	-	-	-
GLUTARRALDEHYDE	-	-	-	-	-	-	-	-	-	-	-	-	6	>480
HEXANE	6	>480	E	1	28	E	-	-	-	-	-	-	0	14
HEXANETHYLDISILAZINE	6	>480	E	4	228	F	4	194	E	2	38	NR	-	-
HYDRAZINE	5	388	E	5	241	E	5	271	E	-	-	-	-	-
HYDROCHLORIC ACID 10%	6	>480	E	6	>480	E	6	>480	E	-	-	-	6	>480
HYDROCHLORIC ACID 38%	6	>480	E	5	460	E	6	>480	E	-	-	-	3	95
HYDROCHLORIC ACID 48%	6	>480	G	5	305	E	-	-	-	6	>480	E	-	-
HYDROGEN PEROXIDE	6	>480	E	6	>480	E	6	>480	E	6	>480	E	6	>480
HYDROQUINONE	6	>480	E	5	325	E	5	325	E	-	-	-	6	>480
ISO BUTYL ALCOHOL	6	>480	E	5	450	E	5	258	E	2	44	E	2	42
ISO PROPYL ALCOHOL	6	>480	E	4	206	E	4	151	P	2	45	E	2	41
ISO+OCTANE	6	>480	E	3	95	E	2	39	F	1	17	NR	-	-
KEROSENE	6	>480	E	4	130	F	3	103	G	1	30	NR	6	>480
LACTIC ACID	6	>480	G	6	>480	E	6	>480	E	6	>480	G	6	>480
LAURIC ACID	5	450	E	6	>480	E	6	>480	E	6	>480	G	-	-
MALEIC ACID	6	>480	E	6	>480	E	6	>480	E	6	>480	G	6	>480
METHANOL	-	-	-	-	-	-	-	-	-	-	-	-	2	50

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METHYL ALCOHOL	2	59	G	2	47	G	2	53	E	1	18	E	1	14
METHYL BUTYL KETONE	-	-	-	-	-	-	-	-	-	0	3	P	-	-
METHYL CELLOSOLVE	3	80	F	3	94	E	3	109	E	-	-	-	-	-
METHYL ETHYL KETONE	-	-	-	-	-	-	1	12	F	-	-	-	1	20
METHYLAMINE	6	>480	E	3	77	E	-	-	-	-	-	-	-	-
MINERAL SPIRITS RULE 66	6	>480	E	2	59	E	-	-	-	-	-	-	6	>480
MONOETHANOLAMINE	6	>480	E	6	>480	E	6	>480	E	-	-	-	6	>480
MORPHOLINR	-	-	-	-	-	-	2	42	G	-	-	-	-	-
MURIATIC ACID	6	>480	E	5	460	E	6	>480	E	-	-	-	6	>480
NITRIC ACID 10%	6	>480	E	6	>480	E	6	>480	E	-	-	-	6	>480
NITRIC ACID 70%	3	110	P	5	>480	E	-	-	-	4	220	F	3	75
NITROMETHANE	0	7	NR	2	43	E	2	35	E	-	-	-	-	-
NITROPROPANE	1	20	NR	1	12	G	1	28	G	1	12	F	-	-
OCTYL ALCOHOL	6	>480	E	4	141	E	4	197	E	3	118	G	-	-
OLEIC ACID	6	>480	E	6	>480	E	6	>480	E	6	>480	F	-	-
OXALIC ACID	6	>480	E	6	>480	E	6	>480	E	6	>480	E	-	-
PALMITRIC ACID	4	236	E	6	>480	E	6	>480	E	6	>480	E	-	-
PENTACHLOROPHENOL	4	160	E	6	>480	E	-	-	-	6	>480	E	-	-
PENTANE	6	>480	E	1	16	E	-	-	-	-	-	-	0	7
PERCHLORIC ACID	6	>480	E	6	>480	E	6	>480	G	6	>480	E	6	>480
PHENOL	3	102	NR	4	189	NR	4	146	E	3	84	E	-	-
PHOSPHORIC ACID	5	450	E	4	200	E	6	>480	G	6	>480	E	-	-
POTASSIUM HYDROXIDE	6	>480	E	6	>480	E	6	>480	E	-	-	-	-	-
PROPYL ACETATE	1	28	F	-	-	-	-	-	-	-	-	-	-	-
PROPYL ALCOHOL	6	>480	E	3	85	E	5	331	E	2	58	E	-	-
PYRIDINE	-	-	-	-	-	-	1	22	F	1	19	NR	-	-
RUBBER SOLVENT	6	>480	E	1	10	G	-	-	-	-	-	-	-	-
SODIUM HYDROXIDE	6	>480	G	6	>480	E	6	>480	E	-	-	-	5	240
SPIRAX S 85W-140	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STODDARD SOLVENT	6	>480	E	3	67	G	-	-	-	-	-	-	-	-
SULFURIC ACID 47%	6	>480	G	6	>480	E	6	>480	E	6	>480	E	6	>480
SULFURIC ACID 95%	-	-	-	5	310	E	-	-	-	4	180	E	4	150
TANNIC ACID	5	325	F	1	15	G	4	195	E	6	>480	E	-	-
TETRACHLOROTHYLENE	5	350	NR	-	-	-	-	-	-	-	-	-	1	22
TOLUENE	1	19	NR	-	-	-	4	90	G	0	9	NR	1	14
TRICRESYL PHOSPHATE	5	330	G	6	>480	P	6	>480	G	-	-	-	-	-
TRIETHANOLAMINE	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TURPENTINE	6	>480	E	-	-	-	-	-	-	-	-	-	-	-
XYLENE	3	64	E	-	-	-	-	-	-	-	-	-	1	17

Guide to chemical resistance. The following is a general guide to chemical resistance of West Chester brand Products. Note that this guide in no way warrants the performance of any glove, but is intended solely to provide resistance characteristics of various glove materials to given chemical agents. In every case, resistance can be affected by factors such as ambient or solution temperature, chemical concentration, length of time in direct contact with chemicals, material thickness of glove and other factors. Preliminary testing of glove suitability should always precede use.

EN 374 Rating Classes and Explanation		
Not Tested	-	Not Tested for this Chemical
Class 0	0	Class 0: Breakthrough time of less than 10 minutes: Not Recommended: For heavy exposure to this chemical, choose a different glove.
Class 1	1	Class 1: Breakthrough time of 10 to 30 minutes: Not Recommended: For heavy exposure to this chemical, choose a different glove.
Class 2	2	Class 2: Breakthrough time of 30 to 60 minutes: Caution: For heavy exposure to this chemical, change gloves frequently(30-60 minutes) or choose a different glove.
Class 3	3	Class 3: Breakthrough time of 1 to 2 hours: Caution: For heavy exposure to this chemical, change gloves frequently(1-2 hours) or choose a different glove.
Class 4	4	Class 4: Breakthrough time of 2 to 4 hours: Recommended for heavy exposure to this chemical. Change Gloves every 2 to 4 hours.
Class 5	5	Class 5: Breakthrough time of 4 to 8 hours. Recommended for heavy exposure to this chemical.
Class 6	6	Class 6: Breakthrough time more than 8 hours: Recommended for heaviest exposure to this chemical. Gloves will last more than 8 hours.

Deg. Rating	
Excellent	E
Good	G
Fair	F
Poor	P
Not Recom.	NR
Not Tested	-