

# Chemical Compatibility Guide for: MAPA® Kronit-Proof 395 Cut- and Chemical-Resistant Gloves

The guide on the following page(s) was provided by the supplier.  
New Pig Corporation assumes no responsibility, obligation, or  
liability in conjunction with the use or misuse of the information.



**New Pig**

One Pork Avenue  
Tipton, PA 16684-0304

**newpig.com**

North America: **1-800-468-4647**

Europe: **+31 (0)76 596 92 50**

PIG, PIG logo are registered trademarks in USA and other countries. See [tm.newpig.com](http://tm.newpig.com)

UK: **0800 919 900**

Outside North America: **+1-814-684-0101**



## Kronit-Proof 395

Chemical Product	CAS #	BTT (minutes)	Permeation level	Standard	Degradatio level	Rating
1,1,1-Trichloroethane 99%	71-55-6	21	1	EN 374-3:2003	1	-
1,1,2-Trichlorotrifluoroethane (Freon TF or Freon 113) 99%	76-13-1	480	6	ASTM F739	4	++
1,2 - dichloroethane 99%	107-06-2	3	0	ASTM F739	NT	NA
2-Butoxyethanol (Butyl Cellusolve) 99%	111-76-2	372	5	ASTM F739	4	++
2-Ethoxyethyl acetate (Cellosolve Acetate) 99%	111-15-9	67	3	ASTM F739	2	+
2-Propanol (Isopropanol) 99%	67-63-0	480	6	ASTM F739	4	++
Acetaldehyde 99%	75-07-0	3	0	ASTM F739	NT	NA
Acetic acid 99%	64-19-7	91	3	ASTM F739	2	+
Acetone 99%	67-64-1	3	0	ASTM F739	NT	NA
Acetyl Chloride 98%	75-36-5	1	0	ASTM F739	NT	NA
Ammonium hydroxide solution 29%	1336-21-6	435	5	ASTM F739	4	++
Aniline 99%	62-53-3	89	3	ASTM F739	1	-
Benzene 99%	71-43-2	6	0	ASTM F739	2	-
Butyl Acetate 99%	123-86-4	20	1	EN 374-3:2003	2	=
Carbon disulfide 99%	75-15-0	4	0	ASTM F739	NT	NA
Carbon Tetrachloride 99%	56-23-5	114	3	ASTM F739	4	++
Chromic Acid 50%	7738-94-5	250	5	ASTM F739	4	++
Cumene 98%	98-82-8	166	4	ASTM F739	3	++
Cyclohexane 99%	110-82-7	480	6	EN 374-3:2003	4	++
Dichloromethane (Methylene Chloride) 99%	75-09-2	1	0	ASTM F739	NT	NA
Diethanolamine 97%	111-42-2	480	6	ASTM F739	4	++
Dimethylformamide 99%	68-12-2	6	0	EN 374-3:2003	1	-
Dimethylsulfoxide 99%	67-68-5	157	4	ASTM F739	3	++
Ethanol 95%	64-17-5	288	5	ASTM F739	4	++
Ether (Diethyl Ether) 99%	60-29-7	41	2	ASTM F739	4	+
Ethyl benzene 99%	100-41-4	28	1	ASTM F739	2	=

\*not normalized result

### Overall Chemical Protection Rating

Protection rating is determined by taking into account the effects of both permeation and degradation in an attempt to provide users with an overall protection guideline when using our glove products against specific chemicals.

- Used for **high chemical exposure** or chemical immersion, limited to BTT based on a working day.
- Used for **repeated chemical contact**, limited to total chemical exposure i.e. : accumulative BTT based on a working day.
- **Splash protection only**, on chemical exposure the gloves should be discarded and new gloves worn as soon as possible.
- **Not recommended**, these gloves are deemed suitable for work with this chemical.

   NT : Not tested

   NA : Not applicable because not fully tested (only degradation OR permeation results)

The chemical test data and overall chemical protection rating should not be used as the absolute basis for glove selection. Actual in-use conditions may vary glove performance from the controlled conditions of laboratory tests. Factors other than chemical contact time, such as concentration and temperature, glove thickness and glove reuse, may also affect performance. Other glove requirements, such as length, dexterity, cut, abrasion, puncture and snag resistance, or glove grip also need to be considered in making your final selection.

## Kronit-Proof 395

Chemical Product	CAS #	BTT (minutes)	Permeation level	Standard	Degradatio level	Rating
Ethylene glycol 99%	107-21-1	480	6	ASTM F739	4	++
Formaldehyde 37%	50-00-0	480	6	ASTM F739	4	++
Fuel oils mixture	68476-34-6	480	6	EN 374-3:2003	3	++
Furfural 99%	98-01-1	34	2	ASTM F739	1	-
Hexamethylene Diisocyanate (1,6 - Diisocyanatohexane) 98%	822-06-0	2	0	ASTM F739	NT	NA
Hydrazine 35%	302-01-2	480	6	ASTM F739	4	++
Hydrazine 70%	302-01-2	480	6	ASTM F739	4	++
Hydrochloric acid 10%	7647-01-0	480	6	ASTM F739	4	++
Hydrochloric acid 35%	7647-01-0	NT	NT		4	NA
Hydrochloric acid 37%	7647-01-0	480	6	ASTM F739	4	++
Isobutyl alcohol 99%	78-83-1	480	6	ASTM F739	4	++
Kerosene mixture	8008-20-6	480	6	ASTM F739	4	++
m-Cresol 97%	108-39-4	309	5	ASTM F739	1	-
Methanol 85%	67-56-1	NT	NT		4	NA
Methanol 99%	67-56-1	20	1	EN 374-3:2003	4	+
Methyl Ethyl Ketone (2-Butanone) 99%	78-93-3	3	0	ASTM F739	NT	NA
Methylisobutylketone 99%	108-10-1	25	1	ASTM F739	2	=
n-Heptane 99%	142-82-5	480	6	EN 374-3:2003	4	++
n-hexane 95%	110-54-3	480	6	ASTM F739	4	++
N-N dimethyl acetamide 99%	127-19-5	15	1	ASTM F739	2	=
Naphtha mixture	8030-30-6	480	6	ASTM F739	4	++
Naphtha VM&P mixture	8032-32-4	480	6	ASTM F739	4	++
Naphtha, Hydrotreated Heavy mixture	64742-48-9	480	6	EN 374-3:2003	4	++
Nitric acid 10%	7697-37-2	NT	NT		4	NA
Nitric acid 20%	7697-37-2	NT	NT		4	NA
Nitric acid 40%	7697-37-2	NT	NT		4	NA

\*not normalized result

### Overall Chemical Protection Rating

Protection rating is determined by taking into account the effects of both permeation and degradation in an attempt to provide users with an overall protection guideline when using our glove products against specific chemicals.

- Used for **high chemical exposure** or chemical immersion, limited to BTT based on a working day.
- Used for **repeated chemical contact**, limited to total chemical exposure i.e. : accumulative BTT based on a working day.
- **Splash protection only**, on chemical exposure the gloves should be discarded and new gloves worn as soon as possible.
- **Not recommended**, these gloves are deemed suitable for work with this chemical.

   NT : Not tested

   NA : Not applicable because not fully tested (only degradation OR permeation results)

The chemical test data and overall chemical protection rating should not be used as the absolute basis for glove selection. Actual in-use conditions may vary glove performance from the controlled conditions of laboratory tests. Factors other than chemical contact time, such as concentration and temperature, glove thickness and glove reuse, may also affect performance. Other glove requirements, such as length, dexterity, cut, abrasion, puncture and snag resistance, or glove grip also need to be considered in making your final selection.

## Kronit-Proof 395

Chemical Product	CAS #	BTT (minutes)	Permeation level	Standard	Degradatio level	Rating
Nitric acid 50%	7697-37-2	344	5	ASTM F739	4	++
Nitrobenzene 99%	98-95-3	42	2	ASTM F739	1	-
Phenol 85%	108-95-2	191	4	ASTM F739	3	++
Phosphoric acid 75%	7664-38-2	480	6	ASTM F739	4	++
Phosphoric acid 85%	7664-38-2	480	6	ASTM F739	4	++
Phosphorous Trichloride 98%	7719-12-2	16	1	ASTM F739	1	-
Potassium Fluoride 40%	7789-23-3	480	6	ASTM F739	4	++
Potassium Hydroxide 50%	1310-58-3	480	6	ASTM F739	4	++
Propylene Oxide 99%	75-56-9	2	0	ASTM F739	NT	NA
Sodium hydroxide 20%	1310-73-2	480	6	EN 374-3:2003	4	++
Sodium hydroxide 40%	1310-73-2	480	6	EN 374-3:2003	4	++
Sodium hydroxide 50%	1310-73-2	480	6	EN 374-3:2003	4	++
Spent Acid mixture	NA	480	6	ASTM F739	NT	NA
Styrene 99%	100-42-5	7	0	ASTM F739	1	-
Sulfuric acid 10%	7664-93-9	480	6	ASTM F739	NT	NA
Sulfuric acid 40%	7664-93-9	480	6	ASTM F739	3	++
Sulfuric acid 50%	7664-93-9	480	6	ASTM F739	NT	NA
Sulfuric acid 96%	7664-93-9	97	3	EN 374-3:2003	NT	NA
t-Butyl Methyl Ether 98%	1634-04-4	452	5	ASTM F739	4	++
tert-Butyl Hydroperoxide 70%	75-91-2	208	4	ASTM F739	4	++
Tetrachloroethylene (Perchloroethylene) 99%	127-18-4	183	4	ASTM F739	3	++
Toluene 99%	108-88-3	8	0	EN 374-3:2003	2	-
Trichloroethylene 99%	79-01-6	4	0	EN 374-3:2003	1	-
Triethanolamine 98%	102-71-6	480	6	ASTM F739	4	++
Turpentine mixture	8006-64-2	480	6	ASTM F739	4	++
Unleaded gasoline mixture	8006-61-9	52	2	EN 374-3:2003	4	+

\*not normalized result

### Overall Chemical Protection Rating

Protection rating is determined by taking into account the effects of both permeation and degradation in an attempt to provide users with an overall protection guideline when using our glove products against specific chemicals.

- Used for **high chemical exposure** or chemical immersion, limited to BTT based on a working day.
- Used for **repeated chemical contact**, limited to total chemical exposure i.e. : accumulative BTT based on a working day.
- **Splash protection only**, on chemical exposure the gloves should be discarded and new gloves worn as soon as possible.
- **Not recommended**, these gloves are deemed suitable for work with this chemical.

   NT : Not tested

   NA : Not applicable because not fully tested (only degradation OR permeation results)

The chemical test data and overall chemical protection rating should not be used as the absolute basis for glove selection. Actual in-use conditions may vary glove performance from the controlled conditions of laboratory tests. Factors other than chemical contact time, such as concentration and temperature, glove thickness and glove reuse, may also affect performance. Other glove requirements, such as length, dexterity, cut, abrasion, puncture and snag resistance, or glove grip also need to be considered in making your final selection.



## Kronit-Proof 395

Chemical Product	CAS #	BTT (minutes)	Permeation level	Standard	Degradatio level	Rating
Xylene 99%	1330-20-7	22	1	EN 374-3:2003	2	=

\*not normalized result

### Overall Chemical Protection Rating

Protection rating is determined by taking into account the effects of both permeation and degradation in an attempt to provide users with an overall protection guideline when using our glove products against specific chemicals.

- Used for **high chemical exposure** or chemical immersion, limited to BTT based on a working day.
- Used for **repeated chemical contact**, limited to total chemical exposure i.e. : accumulative BTT based on a working day.
- **Splash protection only**, on chemical exposure the gloves should be discarded and new gloves worn as soon as possible.
- **Not recommended**, these gloves are deemed suitable for work with this chemical.

□ NT : Not tested

■ NA : Not applicable because not fully tested (only degradation OR permeation results)

The chemical test data and overall chemical protection rating should not be used as the absolute basis for glove selection. Actual in-use conditions may vary glove performance from the controlled conditions of laboratory tests. Factors other than chemical contact time, such as concentration and temperature, glove thickness and glove reuse, may also affect performance. Other glove requirements, such as length, dexterity, cut, abrasion, puncture and snag resistance, or glove grip also need to be considered in making your final selection.