

Chemical Compatibility Guide for: SHOWA 6781R-145 Neoprene Coated Cut-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**

China: **+86-21-400 921 5178**

PIG, PIG logo are registered trademarks in USA and other countries. See tm.newpig.com

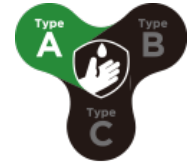
UK: **0800 919 900**

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



6781R

Material Neoprene LENGTH 12 in. / 305mm



CHEMICAL PERMEATION

CHEMICAL NAME	CAS NUMBER	DEGRADATION RATING				BDT	
		5m	30m	60m	240m	TTL ASTM F739	INT ASTM F1383
Formaldehyde 37%	50-00-0	E	E	E	E	>480	>240
2-Hydroxypropionic acid 85%	50-21-5	E	E	E	E	>480	>240
Carbon Tet	56-23-5	E	F	P	NR	>60	>240
1,2-Propanediol	57-55-6	E	E	E	E	>480	>240
Diethyl Ether	60-29-7	E	G	G	G	>10	>10
Aminobenzene	62-53-3	E	E	G	G	>30	>240
Ethanol	64-17-5	E	E	E	E	>480	>240
Formic Acid 90%	64-18-6	E	E	E	E	>480	>240
Formic Acid	64-18-6	E	E	E	E	>480	>240
Acetic Acid 84%	64-19-7	E	E	E	E	>480	>240
Methanol	67-56-1	E	E	E	E	>60	>240
2-Propanol	67-63-0	E	E	E	E	>480	>240
2-Propanone	67-64-1	E	E	E	E	>30	>30
Chloroform	67-66-3	G	P	NR	NR	>10	>30
Dimethylsulfoxide (DMSO)	67-68-5	E	E	E	E	>480	>240
Dimethyl Formamide	68-12-2	E	E	E	G	>60	>60
n-Propanol	71-23-8	E	E	E	E	>480	>240
Butanol	71-36-3	E	E	E	E	>480	>240
Alcohol, Amyl	71-41-0	E	E	E	E	>480	>240
Benzene	71-43-2	G	P	P	P	>10	>30
1,1,1-Trichloroethane	71-55-6	E	F	P	NR	>30	>120
Chloride, Methyl (GAS)	74-87-3	E	E	E	E	>60	NT
Iodide, Methyl	74-88-4	P	NR	NR	NR	NR	>10
Chloride, Vinyl (GAS)	75-01-4	E	E	E	E	6-10	NT
Acetonitrile	75-05-8	E	E	E	E	>60	>60
Acetaldehyde	75-07-0	E	E	E	E	1-5	>10

Chloride, Methylene	75-09-2	G	NR	NR	NR	1-5	>10
Carbon Disulfide	75-15-0	G	NR	NR	NR	NR	NT
1,2-Epoxy Ethane (gas)	75-21-8	E	E	E	E	>10	NT
Bromoform	75-25-2	P	NR	NR	NR	NR	>60
1,1-Dichloroethene	75-35-4	F	P	NR	NR	NR	>10
Nitromethane	75-52-5	E	E	E	E	>120	>120
1,2-Epoxypropane	75-56-9	G	G	F	F	>10	>10
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	E	E	E	E	>480	>240
Dimethyl Sulfate	77-78-1	G	G	G	F	>10	>60
Citric Acid 30%	77-92-9	E	E	E	E	>480	>240
2-Butanol	78-83-1	E	E	E	E	>480	>240
2-Butanone	78-93-3	E	G	G	F	>30	>60
Ethylene, Trichloride	79-01-6	G	P	NR	NR	>10	>10
2-Propeneamide 50%	79-06-1	E	E	E	E	>480	>240
2-Propeneamide(s) 99%	79-06-1	E	E	E	E	>480	>240
Acetate, Methyl	79-20-9	E	E	G	G	>10	>30
Nitro Propane	79-46-9	E	E	G	G	>60	>120
Methacrylate, Methyl	80-62-6	E	G	F	P	>10	>30
DBP	84-74-2	E	E	E	E	>480	>240
Pentachlorophenol 5%	87-86-5	E	E	E	E	>480	>240
Vinyl Pyrrolidinone	88-12-0	NT	NT	NT	NT	>240	>240
Biphenyl 27%	92-52-4	E	G	G	P	>480	>240
Dichlorobenzene O-	95-50-1	G	P	P	NR	NR	>10
2-Aminotoluene	95-53-4	E	E	G	F	>120	>240
1,2,4 - Trimethyl Benzene 98%	95-63-6	E	E	P	NR	>60	>60
Butanone Oxime	96-29-7	E	E	E	E	>480	>240
2-Ethylbutyl alcohol	97-95-0	E	E	E	E	>480	>240
2-Furaldehyde	98-01-1	E	E	E	E	>60	>240
Benzene, Trifluoromethyl	98-08-8	G	G	F	P	>30	>30
Butyl Toluene, p-Tert	98-51-1	E	E	E	F	>120	>240
1-chloro-4-[trifluoromethyl]Benzene	98-56-6	G	F	P	P	>120	>480
(1-Methylethyl)benzene	98-82-8	G	NR	NR	NR	>60	>240
1-Phenylethanone	98-86-2	E	G	G	P	>480	>240
Cyclohexyldimethylamine	98-94-2	NT	NT	NT	NT	>60	NT
Nitrobenzene	98-95-3	E	F	F	NR	>120	>120
Benzene, Ethyl	100-41-4	G	F	P	NR	>30	>30
Benzene, Vinyl	100-42-5	G	P	NR	NR	NR	>30

Alcohol, Benzyl	100-51-6	E	E	E	E	>480	>240
Benzaldehyde	100-52-7	E	E	E	E	>60	>60
4,4'-MDI,	101-68-8	NT	NT	NT	NT	>480	>240
4,4-Methylenedianiline	101-77-9	E	E	E	E	>480	>240
Oxybisbenzene,1,1- (Dowtherm) 73%	101-84-8	E	G	G	P	>480	>240
2,2',2''-Nitrilotriethanol	102-71-6	E	E	E	E	>480	>240
Methyl Isobutyl Ketoxime	105-44-2	NT	NT	NT	NT	>480	>240
Dimethylpiperazine	106-58-1	NT	NT	NT	NT	>60	NT
±)-2-(Chloromethyl)oxiran	106-89-8	E	G	G	F	>10	>60
1,3-Butadiene	106-99-0	E	E	E	E	>30	NT
1,2-Dichloroethane	107-06-2	E	F	P	P	>10	>240
Acrylonitrile	107-13-1	E	E	E	E	>10	>30
1,2-Diaminoethane 99%	107-15-3	E	E	E	E	>480	>240
2-Propen-1-ol	107-18-6	E	E	E	E	>120	>240
1,2-Ethandiol	107-21-1	E	E	E	E	>480	>240
Methyl Propyl Ketone	107-87-9	E	E	G	F	>10	NT
1-methoxy-2-propanol	107-98-2	E	E	E	P	>480	>240
Acetate, Vinyl	108-05-4	E	G	P	P	>10	>30
2-Pentanone, Methyl-	108-10-1	E	E	G	F	>30	>60
Acetate, Isopropyl	108-21-4	E	G	G	F	>10	NT
2,6-Dimethyl-4-Heptanone	108-83-8	E	E	E	E	>480	>240
Benzene, Methyl	108-88-3	G	F	P	NR	>10	>30
Benzene Chloride	108-90-7	G	P	NR	NR	NR	>30
Cyclohexanol	108-93-0	E	E	E	E	>480	>240
Cyclohexanone	108-94-1	E	G	F	NR	>60	>60
Carbolic Acid 89%	108-95-2	E	E	E	E	>60	>240
Dimethyl Propaneamide, N,N'-	109-55-7	NT	NT	NT	NT	>60	NT
Acetate, Propyl	109-60-4	E	G	F	P	>30	>60
Pentane	109-66-0	E	E	E	E	>60	>120
1-Aminobutane	109-73-9	G	P	NR	NR	NR	NT
DEA	109-89-7	E	F	F	P	>10	>30
Diethylene Oxide	109-99-9	E	F	P	NR	>10	>10
Hexane	110-54-3	E	E	E	E	>120	>240
2-Ethoxyethanol	110-80-5	E	E	E	G	>120	>240
Cyclohexane	110-82-7	E	E	E	E	>120	>240
PYRIDINE	110-86-1	E	F	P	P	NR	>30
Diethylene oximide	110-91-8	E	E	G	F	>30	>120

1,5-Pentanedial 50%	111-30-8	E	E	E	E	>480	>240
2,2-iminodiethanol	111-42-2	E	E	E	E	>480	>240
Diethylene Glycol	111-46-6	E	E	E	E	>480	>240
2-Butoxyethanol	111-76-2	E	E	E	E	>480	>240
Diethylene Glycol Monomethyl Ether	111-77-3	E	E	E	E	>480	>240
n-Octanol	111-87-5	E	E	E	E	>480	>240
Ethylene Glycol Monobutyl Ether Acetate	112-07-2	E	E	F	F	>480	>240
1-Acetoxy-2-butoxyethane	112-15-2	E	E	E	G	>480	>240
Ethylene Glycol Monoethyl Ether	112-25-4	E	E	E	E	>480	>240
Butoxydiglycol	112-34-5	E	E	E	E	>480	>240
Methyltriglycol	112-35-6	E	E	E	E	>480	>240
Ethoxytriglycol	112-50-5	E	E	E	E	>480	>240
Diethylene Glycol Monohexyl Ether	112-59-4	E	E	E	E	>480	>240
Oleic Acid 98%	112-80-1	E	E	E	E	>480	>240
1,2,4-Trichlorobenzene	120-82-1	E	F	P	NR	NR	>60
2,4-Dinitrotoluene 40%	121-14-2	E	E	G	F	>240	>240
4-Hydroxy-4-methyl-2-pentanone	123-42-2	E	E	E	E	>480	>240
3-Methyl-1-butanol	123-51-3	E	E	E	E	>480	>240
Butyl Acetate	123-86-4	E	G	F	P	>30	>30
1,4-Dioxane	123-91-1	E	G	G	P	>60	>60
3-Methylbutyl Ethanoate	123-92-2	E	G	G	P	>60	>60
PERC	127-18-4	G	P	NR	NR	>30	>60
Dimethylacetamide N,N-	127-19-5	E	E	E	E	>60	>240
Butyl Acrylate	141-32-2	E	G	G	F	>30	>60
2-Aminoethanol	141-43-5	E	E	E	E	>480	>240
Ethyl Acetate	141-78-6	E	G	G	F	>10	>60
Heptane	142-82-5	E	E	E	E	>480	>240
Butoxytriglycol	143-22-6	E	E	E	E	>480	>240
Dichlorotrifluoroethane	306-83-2	E	E	E	E	>60	NT
3,4-DCBTF	328-84-7	G	F	P	NR	>240	>240
2,2,4-Trimethyl Pentane	540-84-1	E	E	E	E	>480	>240
4-Methyl-meta-phenylene diisocyanate	584-84-9	E	E	E	G	>120	>240
Butyl Ethylene	592-41-6	E	E	E	F	>30	>30
Amyl Acetate	628-63-7	E	G	G	P	>60	>240
Methyl Pyrrolidone, N-	872-50-4	E	E	E	G	>120	>240
2-Bromoethyl Acetate	927-68-4	E	E	G	G	>480	>240
Glyphosate Roundup 95%	1071-83-6	E	E	E	E	>10	NT

Caustic Potash 45%	1310-58-3	E	E	E	E	>480	>240
Caustic Soda 50%	1310-73-2	E	E	E	E	>480	>240
Cresols	1319-77-3	E	E	E	E	>480	>240
Divinyl Benzene	1321-74-0	E	F	P	NR	NR	>60
dimethyl benzene	1330-20-7	G	P	P	NR	>30	>240
Tricresyl Phosphate	1330-78-5	E	E	E	E	>480	>240
Chromic Acid Solution 50%	1333-82-0	E	E	E	E	>480	>240
Ammonia Solution 29%	1336-21-6	E	E	E	E	>480	>240
Gallotannin 50%	1401-55-4	E	E	E	E	>480	>240
1-Propoxy-2-propanol	1569-01-3	E	E	E	E	>480	>240
Methyl-Tert-Butyl Ether	1634-04-4	E	E	G	P	>30	>30
Dichlorofluoroethane	1717-00-6	E	G	F	F	>60	NT
Dibutyl phenyl phosphate	2528-36-1	E	E	G	F	>480	>240
2-Propoxyethanol	2807-30-9	E	E	E	E	>480	>240
Butoxypropanol	5131-66-8	E	E	E	E	>480	>240
D-Limonene	5989-27-5	E	E	G	F	>60	>240
2,2'-dimorpholinodiethylether	6425-39-4	NT	NT	NT	NT	>120	NT
2-(2-Propoxyethoxy)ethanol	6881-94-3	E	E	E	E	>480	>240
Hydrochloric Acid 37%	7647-01-0	E	E	E	E	>480	>240
Hydrochloric Acid 10%	7647-01-0	E	E	E	E	>480	>240
Muriatic Acid	7647-01-0	E	E	E	E	>480	>240
Phosphoric Acid 85%	7664-38-2	E	E	E	E	>480	>240
Hydrofluoric Acid 48%	7664-39-3	E	E	E	E	>480	>240
Hydrofluoric Acid	7664-39-3	E	E	E	E	>120	NT
Ammonia (Gas)	7664-41-7	E	E	E	E	>10	NT
Battery Acid 47%	7664-93-9	E	E	E	E	>480	>240
Bleach: Sodium Hypochlorite 6%	7681-52-9	E	E	E	E	>480	>240
Nitric Acid 70%	7697-37-2	E	E	E	E	>480	>240
Nitric Acid 23%	7697-37-2	E	E	E	E	>480	>240
Hydrogen Peroxide 30%	7722-84-1	E	E	E	E	>480	>240
Chlorine (Gas)	7782-50-5	E	E	E	E	>480	>240
Olive Oil	8001-25-0	E	E	E	E	NT	NT
Corn Oil	8001-30-7	E	E	E	E	NT	NT
Gasoline (unleaded)	8006-61-9	E	E	E	F	>30	>240
Fir Oil	8006-64-2	E	E	E	E	>240	>240
Aqua Regia	8007-56-5	E	E	E	E	>480	>240
Kerosene	8008-20-6	E	E	E	E	>120	>240

Mineral Oil - Light	8012-95-1	E	E	E	E	NT	NT
Ligroin	8032-32-4	E	E	E	E	>60	>240
Dry Cleaning Mineral Spirits	8052-41-3	E	E	E	E	>480	>240
Polychlorinated Biphenyls 50%	11097-69-1	E	G	F	P	>120	NT
2-Chloro-2-Oxoethyl Acetate	13831-31-7	E	E	E	G	>480	>240
Fluoboric Acid 49%	16872-11-0	E	E	E	E	>480	>240
1-Chloro-2-Methyl Benzene	25168-05-2	F	P	NR	NR	>60	>30
Butyl Dipropasol Solvent	29911-28-2	E	E	E	E	>480	>240
Antimony Tributyratate 95%	53856-17-0	NT	NT	NT	NT	>480	>240
Dry cleaning safety solvent	64475-85-0	E	E	E	E	>480	>240
Diesel Fuel	77650-28-3	E	E	E	E	>480	>240

DEGRADATION RATING

E=EXCELLENT; G=GOOD; F=FAIR; P=POOR; NR= NOT RECOMMENDED; NT=NOT TESTED

BDT=BREAKTHROUGH DETECTION TIME

THE LEVEL (0 TO 6) INDICATES THE TIME REQUIRED FOR DIFFERENT CHEMICALS TO PERMEATE THROUGH THE GLOVE.

TTL : TOTAL IMMERSION CHEMICAL PERMEATION BREAKTHROUGH TIME.

INT : INTERMITTENT CONTACT CHEMICAL PERMEATION BREAKTHROUGH TIME, ONE MINUTE IMMERSION OUT OF EVERY TEN, REPEATEDLY.

Warranty Limitations and Disclaimer Use

This information is provided solely as a convenience to help you evaluate our gloves in the end-user's particular application. It is the responsibility of the purchaser and/or user to determine the level of toxicity of the materials to be handled and to select the proper glove suitable for a particular application. The information provided reflects laboratory performance of gloves under carefully controlled conditions. SHOWA makes no guarantee of results and assumes no obligation or liability in connection with this information.