

Chemical Compatibility Guide for: SHOWA 9700PF Disposable Nitrile 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**



9700PF

Material Nitrile LENGTH 11 in. / 280mm

CHEMICAL PERMEATION

CHEMICAL NAME	CAS NUMBER	BDT	
		TTL ASTM F739	INT ASTM F1383
Formaldehyde 37%	50-00-0	>480	>240
2-Hydroxypropionic acid 85%	50-21-5	>480	>240
Carbon Tet	56-23-5	1-5	6-10
1,2-Propanediol	57-55-6	>480	>240
Diethyl Ether	60-29-7	1-5	1-5
Aminobenzene	62-53-3	<1	<1
Ethanol	64-17-5	>10	>30
Formic Acid	64-18-6	1-5	1-5
Formic Acid 90%	64-18-6	1-5	1-5
Acetic Acid 84%	64-19-7	>10	>60
Methanol	67-56-1	1-5	1-5
2-Propanol	67-63-0	>30	>120
2-Propanone	67-64-1	1-5	1-5
Chloroform	67-66-3	<1	<1
Dimethylsulfoxide (DMSO)	67-68-5	>30	>120
Dimethyl Formamide	68-12-2	1-5	1-5
n-Propanol	71-23-8	6-10	>10
Butanol	71-36-3	>10	>30
Alcohol, Amyl	71-41-0	>30	>60
Benzene	71-43-2	1-5	1-5
1,1,1-Trichloroethane	71-55-6	1-5	1-5
Iodide, Methyl	74-88-4	<1	<1
ETHYLAMINE 70%	75-04-7	<1	<1
Acetonitrile	75-05-8	1-5	>10
Acetaldehyde	75-07-0	1-5	1-5
Chloride, Methylene	75-09-2	1-5	1-5

Bromoform	75-25-2	1-5	1-5
1,1-Dichloroethene	75-35-4	1-5	1-5
Nitromethane	75-52-5	1-5	1-5
1,2-Epoxypropane	75-56-9	1-5	1-5
Tetramethylammonium Hydroxide 25%	75-59-2	>240	>240
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	6-10	>10
Dimethyl Sulfate	77-78-1	>10	>30
Citric Acid 30%	77-92-9	>480	>240
2-Butanol	78-83-1	>60	>240
2-Butanone	78-93-3	1-5	1-5
Ethylene, Trichloride	79-01-6	1-5	1-5
2-Propeneamide(s) 99%	79-06-1	>240	>240
2-Propeneamide 50%	79-06-1	>240	>240
Acetate, Methyl	79-20-9	1-5	1-5
PERACETIC ACID 39%	79-21-0	1-5	>10
Nitro Propane	79-46-9	<1	<1
Methacrylate, Methyl	80-62-6	1-5	1-5
DBP	84-74-2	>60	>240
Vinyl Pyrrolidinone	88-12-0	<1	<1
Biphenyl 27%	92-52-4	<1	<1
Dichlorobenzene O-	95-50-1	<1	<1
2-Aminotoluene	95-53-4	1-5	6-10
1,2,4 - Trimethyl Benzene 98%	95-63-6	6-10	>10
Butanone Oxime	96-29-7	>30	>120
2-Ethylbutyl alcohol	97-95-0	1-5	6-10
2-Furaldehyde	98-01-1	1-5	1-5
Butyl Toluene, p-Tert	98-51-1	>10	>30
(1-Methylethyl)benzene	98-82-8	1-5	6-10
Cyclohexyldimethylamine	98-94-2	6-10	>10
Nitrobenzene	98-95-3	1-5	1-5
Benzene, Ethyl	100-41-4	1-5	1-5
Benzene, Vinyl	100-42-5	1-5	1-5
Alcohol, Benzyl	100-51-6	1-5	1-5
Benzaldehyde	100-52-7	1-5	>10
4,4-Methylenedianiline	101-77-9	6-10	>30
Oxybisbenzene,1,1- (Dowtherm) 73%	101-84-8	<1	<1
2,2',2''-Nitrilotriethanol	102-71-6	>10	>60

Methyl Isobutyl Ketoxime	105-44-2	>480	>240
Dimethylpiperazine	106-58-1	>10	>30
1,2-Dichloroethane	107-06-2	1-5	1-5
Acrylonitrile	107-13-1	<1	1-5
1,2-Diaminoethane 99%	107-15-3	1-5	1-5
2-Propen-1-ol	107-18-6	1-5	6-10
1,2-Ethanediol	107-21-1	>480	>240
Methyl Propyl Ketone	107-87-9	1-5	1-5
1-methoxy-2-propanol	107-98-2	6-10	>10
Acetate, Vinyl	108-05-4	1-5	6-10
2-Pentanone, Methyl-	108-10-1	1-5	6-10
Acetate, Isopropyl	108-21-4	1-5	6-10
PROPYLENE GLYCOL MONOMETHYL ETHER ACETATE	108-65-6	6-10	>10
2,6-Dimethyl-4-Heptanone	108-83-8	>30	>120
Benzene, Methyl	108-88-3	1-5	1-5
Benzene Chloride	108-90-7	1-5	1-5
Cyclohexanol	108-93-0	>120	>240
Cyclohexanone	108-94-1	1-5	1-5
Carbolic Acid 89%	108-95-2	6-10	>10
Dimethyl Propaneamide, N,N'	109-55-7	6-10	>10
Acetate, Propyl	109-60-4	1-5	6-10
Pentane	109-66-0	6-10	>10
1-Aminobutane	109-73-9	<1	<1
DEA	109-89-7	1-5	1-5
Diethylene Oxide	109-99-9	1-5	1-5
Hexane	110-54-3	>10	>30
2-Ethoxyethanol	110-80-5	1-5	1-5
Cyclohexane	110-82-7	>10	>60
PYRIDINE	110-86-1	1-5	1-5
Diethylene oximide	110-91-8	<1	<1
1,5-Pentanedial 50%	111-30-8	>60	>120
2,2-iminodiethanol	111-42-2	>30	>120
Diethylene Glycol	111-46-6	>240	>240
2-Butoxyethanol	111-76-2	>10	>60
n-Octanol	111-87-5	>480	>240
Ethylene Glycol Monoethyl Ether	112-25-4	>30	>120
Oleic Acid 98%	112-80-1	>480	>240

1,2,4-Trichlorobenzene	120-82-1	1-5	1-5
2,4-Dinitrotoluene 40%	121-14-2	1-5	6-10
TRIETHYLAMINE	121-44-8	>10	>60
4-Hydroxy-4-methyl-2-pentanone	123-42-2	<1	<1
3-Methyl-1-butanol	123-51-3	1-5	1-5
Butyl Acetate	123-86-4	<1	<1
1,4-Dioxane	123-91-1	1-5	>10
3-Methylbutyl Ethanoate	123-92-2	1-5	1-5
PERC	127-18-4	6-10	>10
Dimethylacetamide N,N-	127-19-5	1-5	>10
Butyl Acrylate	141-32-2	1-5	1-5
2-Aminoethanol	141-43-5	>10	>30
Ethyl Acetate	141-78-6	1-5	6-10
Heptane	142-82-5	>60	>120
Butoxytriethylglycol	143-22-6	6-10	>10
OXALIC ACID (s) 99%	144-62-7	>480	>240
NINHYDRIN	485-47-2	>480	>240
2,2,4-Trimethyl Pentane	540-84-1	>120	>240
Butyl Ethylene	592-41-6	<1	<1
Amyl Acetate	628-63-7	1-5	1-5
Methyl Pyrrolidone, N-	872-50-4	1-5	>10
2-Bromoethyl Acetate	927-68-4	1-5	>10
Glyphosate Roundup 95%	1071-83-6	>480	>240
3,8-Diamino-5-ethyl-6-phenylphenanthridinium bromide 5%	1239-45-8	>480	>240
Caustic Potash 45%	1310-58-3	>480	>240
Caustic Soda 50%	1310-73-2	>480	>240
Cresols	1319-77-3	<1	<1
Divinyl Benzene	1321-74-0	6-10	>30
dimethyl benzene	1330-20-7	1-5	6-10
Chromic Acid Solution 50%	1333-82-0	<1	<1
Ammonia Solution 29%	1336-21-6	>10	>60
Methyl-Tert-Butyl Ether	1634-04-4	<1	<1
Dibutyl phenyl phosphate	2528-36-1	>30	>120
2-Propoxyethanol	2807-30-9	>10	>10
Butoxypropanol	5131-66-8	6-10	>10
D-Limonene	5989-27-5	>10	>30
2,2'-dimorpholinodiethylether	6425-39-4	6-10	>10

Hydrochloric Acid 37%	7647-01-0	>480	>240
Hydrochloric Acid 10%	7647-01-0	>480	>240
Phosphoric Acid 85%	7664-38-2	>480	>240
Hydrofluoric Acid 48%	7664-39-3	>10	>30
Sulfuric Acid 70%	7664-93-9	>120	>240
Battery Acid 47%	7664-93-9	>480	>240
Bleach: Sodium Hypochlorite 6%	7681-52-9	>480	>240
Nitric Acid 23%	7697-37-2	>240	>240
Nitric Acid 70%	7697-37-2	1-5	>10
Hydrogen Peroxide 30%	7722-84-1	>480	>240
Hydroxylamine 50%	7803-49-8	>480	>240
Gasoline (unleaded)	8006-61-9	1-5	6-10
Fir Oil	8006-64-2	>60	>240
Kerosene	8008-20-6	>10	>30
Ligroin	8032-32-4	>10	>60
Dry Cleaning Mineral Spirits	8052-41-3	>240	>240
Ammonium Fluoride 40%	12125-01-8	>480	>240
2-Chloro-2-Oxoethyl Acetate	13831-31-7	6-10	>10
Fluoboric Acid 49%	16872-11-0	>10	>60
Antimony Tributylate 95%	53856-17-0	>240	>240
Dry cleaning safety solvent	64475-85-0	>480	>240
Diesel Fuel	77650-28-3	>480	>240

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.