

Chemical Compatibility Guide for: SHOWA CN750 Biodegradable Nitrile Gloves

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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**

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UK: **0800 919 900**

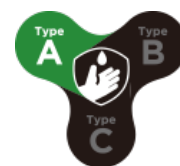
Outside North America: **+1-814-684-0101**



CN750

CN750

Material **Nitrile** LENGTH 12.5 in. / 32mm



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
Nicotine 2%	54-11-5	>480	>240
Nicotine 7%	54-11-5	>480	>240
Nicotine 1%	54-11-5	>480	>240
Carbon Tet	56-23-5	>480	>240
Glycerol Solution 99%	56-81-5	>480	>240
Glycerol Solution 70%	56-81-5	>480	>240
Urea (s) 99%	57-13-6	>480	>240
Urea (s) 35%	57-13-6	>480	>240
Urea (s) 62%	57-13-6	>480	>240
1,2-Propanediol	57-55-6	>480	>240
Ethylenediaminetetraacetic acid (s) 98%	60-00-4	>480	>240
Diethyl Ether	60-29-7	6-10	6-10
Aminobenzene	62-53-3	>30	>60
Ethanol	64-17-5	>240	>240
Acetic Acid 10%	64-19-7	>480	>240
Acetic Acid 5%	64-19-7	>480	>240
Acetic Acid 50%	64-19-7	>480	>240
Acetic Acid 25%	64-19-7	>480	>240
Acetic Acid 84%	64-19-7	>120	>240
Acetic Acid 99%	64-19-7	>60	>120
Benzoic Acid (s) 99%	65-85-0	>480	>240
Benzoic Acid (s) 4%	65-85-0	>480	>240
Methanol	67-56-1	>60	>240

2-Propanol	67-63-0	>480	>240
2-Propanone	67-64-1	6-10	>10
Chloroform	67-66-3	1-5	1-5
Dimethylsulfoxide (DMSO)	67-68-5	>60	>120
Dimethyl Formamide	68-12-2	>10	>30
Salicylic acid (s) 99%	69-72-7	>480	>240
n-Propanol	71-23-8	>480	>240
Butanol	71-36-3	>480	>240
Alcohol, Amyl	71-41-0	>480	>240
Benzene	71-43-2	>10	>30
Chloride, Methyl (GAS)	74-87-3	NR	NR
Iodide, Methyl	74-88-4	<1	<1
Acetonitrile	75-05-8	>10	>30
Acetaldehyde	75-07-0	1-5	NT
Chloride, Methylene	75-09-2	1-5	6-10
Carbon Disulfide	75-15-0	6-10	6-10
1,2-Epoxy Ethane (gas)	75-21-8	NR	NR
Bromoform	75-25-2	1-5	1-5
1,1-Dichloroethene	75-35-4	<1	<1
Acetyl Chloride	75-36-5	>10	>10
Nitromethane	75-52-5	1-5	1-5
1,2-Epoxypropane	75-56-9	1-5	1-5
Tetramethylammonium Hydroxide 25%	75-59-2	>480	>240
Dimethyl Sulfate	77-78-1	>10	>10
Citric Acid 50%	77-92-9	>480	>240
Citric Acid 30%	77-92-9	>480	>240
Citric Acid 75%	77-92-9	>480	>240
Citric Acid 99%	77-92-9	>480	>240
2-Butanol	78-83-1	>480	>240
Dichloropropane, 1,2-	78-87-5	>10	>10
2-Butanone	78-93-3	6-10	>10
Ethylene, Trichloride	79-01-6	1-5	6-10
2-Propeneamide 50%	79-06-1	>480	>240
2-Propeneamide 98%	79-06-1	>480	>240
2-Propenoic Acid	79-10-7	>240	>240
Chloroacetic Acid 70%	79-11-8	>480	>240
Chloroacetic Acid 80%	79-11-8	>480	>240

Acetate, Methyl	79-20-9	6-10	>30
Methacrylic Acid 99%	79-41-4	>120	NT
Methacrylate, Methyl	80-62-6	>10	>10
DBP	84-74-2	>480	>240
Vinyl Pyrrolidinone	88-12-0	6-10	>30
Toluene-2,6-diisocyanate	91-08-7	>480	>240
Benzoyl peroxide (s) 98%	94-36-0	>480	>240
Dichlorobenzene O-	95-50-1	>30	>60
2-Aminotoluene	95-53-4	>30	>60
Pseudocumene	95-63-6	>30	>120
Butanone Oxime	96-29-7	>480	>240
2-Ethylbutyl alcohol	97-95-0	>480	>240
2-Furaldehyde	98-01-1	>10	>30
Butyl Toluene, p-Tert	98-51-1	>480	>240
(1-Methylethyl)benzene	98-82-8	>30	>60
1-Phenylethanone	98-86-2	>10	>10
Nitrobenzene	98-95-3	6-10	6-10
Benzene, Ethyl	100-41-4	>30	>60
Benzene, Vinyl	100-42-5	>30	>30
Alcohol, Benzyl	100-51-6	>30	>30
Benzaldehyde	100-52-7	6-10	>10
±)-2-(Chloromethyl)oxiran	106-89-8	>10	>10
1,3-Butadiene	106-99-0	NR	NR
1,2-Dichloroethane	107-06-2	>10	>10
Acrylonitrile	107-13-1	1-5	1-5
1,2-Diaminoethane 99%	107-15-3	>30	>60
2-Propen-1-ol	107-18-6	>120	>120
1,2-Ethanediol	107-21-1	>480	>240
Methyl Propyl Ketone	107-87-9	>10	>10
1-methoxy-2-propanol	107-98-2	>120	>240
Acetate, Vinyl	108-05-4	>30	>120
2-Pentanone, Methyl-	108-10-1	>30	>60
Acetate, Isopropyl	108-21-4	>30	>60
PROPYLENE GLYCOL MONOMETHYL ETHER ACETATE	108-65-6	>60	>120
2,6-Dimethyl-4-Heptanone	108-83-8	>480	>240
Benzene, Methyl	108-88-3	>10	>30
Benzene Chloride	108-90-7	>10	>30

Cyclohexanol	108-93-0	>480	>240
Cyclohexanone	108-94-1	>60	>240
Carbolic Acid(s) 100%	108-95-2	>120	>120
Carbolic Acid 10%	108-95-2	>120	>120
Carbolic Acid 89%	108-95-2	>60	>60
Dimethyl Propaneamide, N,N'-	109-55-7	>60	>60
Acetate, Propyl	109-60-4	>30	>120
Pentane	109-66-0	>480	>240
1-Aminobutane	109-73-9	>10	>10
Diethylamine	109-89-7	>30	>30
Diethylene Oxide	109-99-9	6-10	6-10
Hexane	110-54-3	>480	>240
Cyclohexane	110-82-7	>480	>240
PYRIDINE	110-86-1	1-5	1-5
Diethylene oximide	110-91-8	1-5	1-5
1,5-Pentanedial 50%	111-30-8	>240	>240
2,2-iminodiethanol	111-42-2	>120	>240
Diethylene Glycol	111-46-6	>480	>240
n-Octane	111-65-9	>480	>240
2-Butoxyethanol	111-76-2	>240	>240
n-Octanol	111-87-5	>480	>240
Oleic Acid 98%	112-80-1	>480	>240
1,2,4-Trichlorobenzene	120-82-1	>10	>30
TRIETHYLAMINE	121-44-8	>60	>240
4-Hydroxy-4-methyl-2-pentanone	123-42-2	>120	>120
3-Methyl-1-butanol	123-51-3	>480	>240
2,4-Pentanedione	123-54-6	1-5	1-5
Butyl Acetate	123-86-4	>60	>240
1,4-Dioxane	123-91-1	6-10	6-10
3-Methylbutyl Ethanoate	123-92-2	>10	>30
PERC	127-18-4	>120	>240
Dimethylacetamide N,N'-	127-19-5	>10	>30
Butyl Acrylate	141-32-2	>60	>60
2-Aminoethanol	141-43-5	>120	>120
Ethyl Acetate	141-78-6	>10	>30
Heptane	142-82-5	>480	>240
Sodium Bicarbonate, Saturated 10%	144-55-8	>480	>240

Sodium Bicarbonate, Saturated 99%	144-55-8	>480	>240
OXALIC ACID (s) 10%	144-62-7	>480	>240
OXALIC ACID (s) 99%	144-62-7	>480	>240
Sodium Lauryl Sulfate, Saturated 15%	151-21-3	>480	>240
Sodium Lauryl Sulfate, Saturated 90%	151-21-3	>480	>240
Potassium Bicarbonate, Saturated 99%	298-14-6	>480	>240
Calcium Gluconate, Saturated 98%	299-28-5	>480	>240
Calcium Gluconate, Saturated 3%	299-28-5	>480	>240
Calcium Carbonate (s) 99%	471-34-1	>480	>240
NINHYDRIN	485-47-2	>480	>240
Sodium Carbonate, Saturated 99%	497-19-8	>480	>240
Sodium Carbonate, Saturated 9%	497-19-8	>480	>240
Trimethyl Phosphate	512-56-1	>10	NT
Sodium Gluconate, Saturated 98%	527-07-1	>480	>240
Sodium Gluconate, Saturated 59%	527-07-1	>480	>240
2,2,4-Trimethyl Pentane	540-84-1	>480	>240
3-Methyl-2-Butanone	563-80-4	>30	>60
Potassium Carbonate, Saturated 98%	584-08-7	>480	>240
Potassium Carbonate, Saturated 138%	584-08-7	>480	>240
4-Methyl-meta-phenylene diisocyanate	584-84-9	>480	>240
Butyl Ethylene	592-41-6	>480	>240
Amyl Acetate	628-63-7	>120	>240
Methyl Pyrrolidone, N-	872-50-4	>10	>60
2-Bromoethyl Acetate	927-68-4	1-5	1-5
Hexamethyldisilazane	999-97-3	>480	>240
Glyphosate Roundup 95%	1071-83-6	>480	>240
3,8-Diamino-5-ethyl-6-phenylphenanthridinium bromide 1%	1239-45-8	>480	>240
3,8-Diamino-5-ethyl-6-phenylphenanthridinium bromide 5%	1239-45-8	>480	>240
Calcium Hydroxide (s) 95%	1305-62-0	>480	>240
Calcium Oxide (s) 99%	1305-78-8	>480	>240
Iron Oxide (s) 99%	1309-37-1	>480	>240
Magnesium Hydroxide (s) 95%	1309-42-8	>480	>240
Magnesium Oxide (s) 95%	1309-48-4	>480	>240
Caustic Potash 45%	1310-58-3	>480	>240
Caustic Potash 40%	1310-58-3	>480	>240
Caustic Potash 50%	1310-58-3	>480	>240
Caustic Potash 99%	1310-58-3	>480	>240

Caustic Potash 54%	1310-58-3	>480	>240
Zinc Oxide (s) 99%	1314-13-2	>480	>240
Limestone, Argillaceous (s) 98%	1317-65-3	>480	>240
Cresols	1319-77-3	>60	>60
Divinyl Benzene	1321-74-0	>30	>30
dimethyl benzene	1330-20-7	>30	>60
Tricresyl Phosphate	1330-78-5	>480	>240
Kaolin (s) 98%	1332-58-7	>480	>240
Chromic Acid Solution 50%	1333-82-0	>10	NT
Chromic Acid Solution 99%	1333-82-0	>480	>240
Carbon, mesoporous (s) 99%	1333-86-4	>480	>240
Ammonia Solution 25%	1336-21-6	>240	>240
Ammonia Solution 10%	1336-21-6	>480	>240
Ammonia Solution 29%	1336-21-6	>240	>240
Ammonia Solution 32%	1336-21-6	>240	>240
Gallotannin 95%	1401-55-4	>480	>240
Methyl-Tert-Butyl Ether	1634-04-4	>240	>240
Butoxypropanol	5131-66-8	>480	>240
D-Limonene	5989-27-5	>60	>60
Disodium Ethylenediaminetetraacetic Acid, Saturated 97%	6381-92-6	>480	>240
Disodium Ethylenediaminetetraacetic Acid, Saturated 10%	6381-92-6	>480	>240
Ammonium Nitrate, Saturated 98%	6484-52-2	>480	>240
Ammonium Nitrate, Saturated 150%	6484-52-2	>480	>240
Sodium Metasilicate, Saturated 98%	6834-92-0	>480	>240
Sodium Metasilicate, Saturated 21%	6834-92-0	>480	>240
Charcoal, activated (s) 99%	7440-44-0	>480	>240
Zinc (s) 98%	7440-66-6	>480	>240
Zinc Sulfate, Saturated 99%	7446-19-7	>480	>240
Zinc Sulfate, Saturated 35%	7446-19-7	>480	>240
Zinc Sulfate, Saturated 99%	7446-20-0	>480	>240
Zinc Sulfate, Saturated 96%	7446-20-0	>480	>240
Potassium Chloride (s) 99%	7447-40-7	>480	>240
Potassium Chloride (s) 35%	7447-40-7	>480	>240
Selenium Sulfide (s) 99%	7488-56-4	>480	>240
Silicon Dioxide (s) 99%	7631-86-9	>480	>240
Sodium Bisulfite, Saturated 42%	7631-90-5	>480	>240
Sodium Bisulfite, Saturated 95%	7631-90-5	>480	>240

Sodium Nitrite, Saturated 97%	7632-00-0	>480	>240
Sodium Nitrite, Saturated 82%	7632-00-0	>480	>240
Hydrochloric Acid 37%	7647-01-0	>480	>240
Hydrogen Chloride (GAS) 99%	7647-01-0	NR	NR
Muriatic Acid 20%	7647-01-0	>480	>240
Muriatic Acid 32%	7647-01-0	>480	>240
Hydrochloric Acid 10%	7647-01-0	>480	>240
Sodium Chloride (s) 99%	7647-14-5	>480	>240
Sodium Chloride (s) 36%	7647-14-5	>480	>240
Phosphoric Acid 85%	7664-38-2	>480	>240
Phosphoric Acid 25%	7664-38-2	>480	>240
Phosphoric Acid 70%	7664-38-2	>480	>240
Phosphoric Acid 30%	7664-38-2	>480	>240
Phosphoric Acid 75%	7664-38-2	>480	>240
Phosphoric Acid 10%	7664-38-2	>480	>240
Phosphoric Acid 35%	7664-38-2	>480	>240
Phosphoric Acid 80%	7664-38-2	>480	>240
Phosphoric Acid 50%	7664-38-2	>480	>240
Phosphoric Acid 40%	7664-38-2	>480	>240
Phosphoric Acid 99%	7664-38-2	>480	>240
Phosphoric Acid 45%	7664-38-2	>480	>240
Phosphoric Acid 55%	7664-38-2	>480	>240
Phosphoric Acid 15%	7664-38-2	>480	>240
Phosphoric Acid 60%	7664-38-2	>480	>240
Phosphoric Acid 20%	7664-38-2	>480	>240
Phosphoric Acid 65%	7664-38-2	>480	>240
Hydrofluoric Acid 30%	7664-39-3	>480	>240
Hydrogen Fluoride(gas) 99%	7664-39-3	NR	NR
Hydrofluoric Acid 40%	7664-39-3	>240	>240
Hydrofluoric Acid 10%	7664-39-3	>480	>240
Hydrofluoric Acid 20%	7664-39-3	>480	>240
Hydrofluoric Acid 48%	7664-39-3	>120	NT
Ammonia (Gas)	7664-41-7	NR	NR
Battery Acid 50%	7664-93-9	>480	>240
Battery Acid 39%	7664-93-9	>480	>240
Battery Acid 30%	7664-93-9	>480	>240
Battery Acid 47%	7664-93-9	>480	>240

Battery Acid 70%	7664-93-9	>480	>240
Battery Acid 15%	7664-93-9	>480	>240
Battery Acid 96%	7664-93-9	>240	>240
Battery Acid 93%	7664-93-9	>240	>240
Battery Acid 18%	7664-93-9	>480	>240
Battery Acid 10%	7664-93-9	>480	>240
Battery Acid 25%	7664-93-9	>480	>240
Sodium Fluoride, Saturated 99%	7681-49-4	>480	>240
Sodium Fluoride, Saturated 4%	7681-49-4	>480	>240
Bleach: Sodium Hypochlorite 6%	7681-52-9	>480	>240
Bleach: Sodium Hypochlorite 12%	7681-52-9	>480	>240
Sodium Metabisulfite (s) 97%	7681-57-4	>480	>240
Nitric Acid 70%	7697-37-2	>60	NT
Nitric Acid 50%	7697-37-2	>240	>240
Nitric Acid 35%	7697-37-2	>480	>240
Nitric Acid 10%	7697-37-2	>480	>240
Nitric Acid 23%	7697-37-2	>480	>240
Nitric Acid 65%	7697-37-2	>120	NT
Iron (III) Chloride (s) 91%	7705-08-0	>480	>240
Iron (III) Chloride (s) 97%	7705-08-0	>480	>240
Iron (III) Chloride (s) 45%	7705-08-0	>480	>240
Potassium Permanganate, Saturated 99%	7722-64-7	>480	>240
Potassium Permanganate, Saturated 76%	7722-64-7	>480	>240
Ammonium Phosphate, Monobasic, Saturated 98%	7722-76-1	>480	>240
Ammonium Phosphate, Monobasic, Saturated 36%	7722-76-1	>480	>240
Hydrogen Peroxide 6%	7722-84-1	>480	>240
Hydrogen Peroxide 10%	7722-84-1	>480	>240
Hydrogen Peroxide 30%	7722-84-1	>480	>240
Hydrogen Peroxide 50%	7722-84-1	>240	NT
Hydrogen Peroxide 3%	7722-84-1	>480	>240
Bromine	7726-95-6	1-5	1-5
Sodium Sulfate, Saturated 99%	7757-82-6	>480	>240
Sodium Sulfate, Saturated 28%	7757-82-6	>480	>240
Sodium Sulfite (s) 27%	7757-83-7	>480	>240
Sodium Sulfite (s) 98%	7757-83-7	>480	>240
Calcium Phosphate Dibasic (s) 98%	7757-93-9	>480	>240
Tricalcium Phosphate (s) 95%	7758-87-4	>480	>240

Iron Chloride Solution 45%	7758-94-3	>480	>240
Iron Chloride Solution 98%	7758-94-3	>480	>240
Iron Chloride Solution 68%	7758-94-3	>480	>240
Copper Sulfate, Saturated 98%	7758-98-7	>480	>240
Copper Sulfate, Saturated 20%	7758-98-7	>480	>240
Copper Sulfate, Saturated 98%	7758-99-8	>480	>240
Copper Sulfate, Saturated 20%	7758-99-8	>480	>240
Sodium Thiosulfate (s) 70%	7772-98-7	>480	>240
Sodium Thiosulfate (s) 98%	7772-98-7	>480	>240
Potassium Bisulfite, Saturated 95%	7773-03-7	>480	>240
Potassium Bisulfite, Saturated 49%	7773-03-7	>480	>240
Calcium Sulfate, Saturated 97%	7778-18-9	>480	>240
Calcium Sulfate, Saturated 2%	7778-18-9	>480	>240
Graphite (s) 98%	7782-42-5	>480	>240
Chlorine (Gas)	7782-50-5	NR	NR
Iron Sulfate (s) 99%	7782-63-0	>480	>240
Iron Sulfate (s) 29%	7782-63-0	>480	>240
Ammonium Phosphate, Dibasic, Saturated 98%	7783-28-0	>480	>240
Ammonium Phosphate, Dibasic, Saturated 69%	7783-28-0	>480	>240
Magnesium Chloride, Saturated 97%	7786-30-3	>480	>240
Magnesium Chloride, Saturated 54%	7786-30-3	>480	>240
Calcium Phosphate Dibasic Dihydrate (s) 98%	7789-77-7	>480	>240
Hydroxylamine 50%	7803-49-8	>480	>240
Gasoline (unleaded)	8006-61-9	>480	>240
Fir Oil	8006-64-2	>480	>240
Kerosene	8008-20-6	>480	>240
Paraffin Oil	8012-95-1	>480	>240
Ligroin	8032-32-4	>480	>240
Mineral Oil - Light	8042-47-5	>480	>240
Dry Cleaning Mineral Spirits	8052-41-3	>480	>240
Tetrachloropropene	10436-39-2	>30	>30
Titanium Dioxide (s) 99%	13463-67-7	>480	>240
2-Chloro-2-Oxoethyl Acetate	13831-31-7	>120	>120
Talc (s) 99%	14807-96-6	>480	>240
Quartz (s) 99%	14808-60-7	>480	>240
Iron (III) Sulfate, Saturated 97%	15244-10-7	>480	>240
Iron (III) Sulfate, Saturated 25%	15244-10-7	>480	>240

Calcium Magnesium Carbonate (s) 98%	16389-88-1	>480	>240
Magnesium Carbonate (s) 95%	23389-33-5	>480	>240
Polyethylene Glycol, Saturated 67%	25322-68-3	>480	>240
Polyethylene Glycol, Saturated 98%	25322-68-3	>480	>240
Antimony Tributyrat 95%	53856-17-0	>480	>240
Dry cleaning safety solvent	64475-85-0	>480	>240
Distillates (petroleum), hydrotreated light	64742-47-8	>480	>240
Mineral Spirits (White Spirits Type 3)	64742-48-9	>480	>240
Naphtha, VM & P	64742-49-0	>480	>240
Kerosene (hydrodesulfurized)	64742-81-0	>480	>240
Mineral Spirits (White Spirits Type 0)	64742-88-7	>480	>240
Naphtha, light aromatic	64742-95-6	>60	>120
Diesel Oil	68334-30-5	>480	>240
Kerosene (Fuel Oil # 2)	68476-30-2	>480	>240
Diesel Fuel #2	68476-34-6	>480	>240
PETROLEUM ETHER	68476-50-6	>480	>240
Mineral Spirits (odorless)	68551-17-7	>480	>240
Denacol EX-521	118549-88-5	>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.