

# Chemical Compatibility Guide for: SHOWA 772 Nitrile Coated 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](http://tm.newpig.com)

UK: **0800 919 900**

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



# SHOWA ATLAS

## 772

Material **Nitrile** LENGTH 26 in. / 650mm

### CHEMICAL PERMEATION

CHEMICAL NAME	CAS NUMBER	DEGRADATION RATING				BDT	
		5m	30m	60m	240m	TTL ASTM F739	INT ASTM F1383
Carbon Tet	56-23-5	NT	NT	NT	NT	>30	>240
Aminobenzene	62-53-3	NT	NT	NT	NT	>30	NT
Ethanol	64-17-5	NT	NT	NT	NT	>120	NT
Acetic Acid 99%	64-19-7	NT	NT	NT	NT	>30	NT
Acetic Acid 84%	64-19-7	NT	NT	NT	NT	>120	NT
Methanol	67-56-1	E	E	E	E	>30	NT
2-Propanol	67-63-0	E	E	E	E	>480	>480
2-Propanone	67-64-1	G	P	P	NT	6-10	NT
Chloroform	67-66-3	NT	NT	NT	NT	NT	1-5
Dimethyl Formamide	68-12-2	NT	NT	NT	NT	6-10	NT
n-Propanol	71-23-8	E	E	E	E	>480	>480
Butanol	71-36-3	E	E	E	E	>480	>480
Alcohol, Amyl	71-41-0	E	E	E	NT	>480	>480
Benzene	71-43-2	NT	NT	NT	NT	NT	6-10
Acetonitrile	75-05-8	E	G	G	G	6-10	NT
Chloride, Methylene	75-09-2	NR	NR	NR	NR	NR	NR
Bromoform	75-25-2	NR	NR	NR	NR	NR	NT
1,2-Epoxypropane	75-56-9	NT	NT	NT	NT	1-5	NT
Citric Acid	77-92-9	NT	NT	NT	NT	NT	>240
Dichloropropane, 1,2-	78-87-5	NT	NT	NT	NT	NT	6-10
2-Butanone	78-93-3	F	NR	NR	NR	NR	NT
Ethylene, Trichloride	79-01-6	NT	NT	NT	NT	NT	1-5
Acetate, Methyl	79-20-9	G	P	P	NR	6-10	NT
Nitrobenzene	98-95-3	F	NR	NR	NR	NR	NT

Benzene, Ethyl	100-41-4	NT	NT	NT	NT	>10	NT
Benzene, Vinyl	100-42-5	NT	NT	NT	NT	6-10	NT
Benzaldehyde	100-52-7	F	NR	NR	NR	NR	NT
1,2-Dichloroethane	107-06-2	NT	NT	NT	NT	1-5	1-5
Acrylonitrile	107-13-1	NT	NT	NT	NT	NT	1-5
2-Propen-1-ol	107-18-6	NT	NT	NT	NT	NT	>30
Methyl Propyl Ketone	107-87-9	NT	NT	NT	NT	NT	1-5
2-Pentanone, Methyl-	108-10-1	NT	NT	NT	NT	NT	>10
2,6-Dimethyl-4-Heptanone	108-83-8	NT	NT	NT	NT	NT	>60
Benzene, Methyl	108-88-3	NT	NT	NT	NT	NT	6-10
Benzene Chloride	108-90-7	P	NR	NR	NR	NR	NT
Cyclohexanone	108-94-1	NT	NT	NT	NT	NT	>30
Carbolic Acid	108-95-2	NT	NT	NT	NT	>120	NT
Acetate, Propyl	109-60-4	F	P	NR	NR	>10	NT
DEA	109-89-7	NT	NT	NT	NT	NT	>30
Diethylene Oxide	109-99-9	P	NR	NR	NR	NR	NT
Hexane	110-54-3	E	E	E	E	>480	>480
Cyclohexane	110-82-7	E	E	E	E	>240	NT
n-Octane	111-65-9	NT	NT	NT	NT	>480	>240
Butyl Acetate	123-86-4	G	F	P	NR	NR	NT
PERC	127-18-4	G	F	F	P	>60	NT
Dimethylacetamide N,N-	127-19-5	G	P	NR	NR	NR	NT
Ethyl Acetate	141-78-6	NT	NT	NT	NT	NT	>10
Heptane	142-82-5	E	E	E	E	>480	>480
2,2,4-Trimethyl Pentane	540-84-1	E	E	E	E	480	>480
Amyl Acetate	628-63-7	G	F	P	NR	NR	NT
Methyl Pyrrolidone, N-	872-50-4	NT	NT	NT	NT	>30	NT
Caustic Potash 10%	1310-58-3	NT	NT	NT	NT	>480	>120
Caustic Potash 99%	1310-58-3	NT	NT	NT	NT	>480	>120
Caustic Potash 45%	1310-58-3	NT	NT	NT	NT	>480	>120
Caustic Soda 10%	1310-73-2	NT	NT	NT	NT	480	>120
Caustic Soda 40%	1310-73-2	NT	NT	NT	NT	480	>120
Caustic Soda 98%	1310-73-2	NT	NT	NT	NT	480	>120
Caustic Soda 50%	1310-73-2	NT	NT	NT	NT	480	>120
dimethyl benzene	1330-20-7	G	P	P	NR	>10	NT
Ammonia Solution 29%	1336-21-6	NT	NT	NT	NT	>60	NT
Methyl-Tert-Butyl Ether	1634-04-4	E	E	E	G	>60	NT

Butoxypropanol	5131-66-8	NT	NT	NT	NT	>120	NT
Hydrochloric Acid 37%	7647-01-0	E	E	NT	E	>240	>480
Hydrochloric Acid 10%	7647-01-0	NT	NT	NT	NT	>480	>240
Muriatic Acid 20%	7647-01-0	NT	NT	NT	NT	>480	>240
Muriatic Acid	7647-01-0	E	E	NT	E	>240	>480
Muriatic Acid 32%	7647-01-0	NT	NT	NT	NT	>480	>240
Phosphoric Acid 85%	7664-38-2	NT	NT	NT	NT	>480	>240
Phosphoric Acid 10%	7664-38-2	NT	NT	NT	NT	>480	>240
Phosphoric Acid	7664-38-2	E	E	E	E	>480	>480
Phosphoric Acid 50%	7664-38-2	NT	NT	NT	NT	>480	>240
Hydrofluoric Acid 48%	7664-39-3	NT	NT	NT	NT	>60	NT
Hydrofluoric Acid 40%	7664-39-3	NT	NT	NT	NT	>120	NT
Sulfuric Acid 70%	7664-93-9	NT	NT	NT	NT	>480	>240
Sulfuric Acid 50%	7664-93-9	NT	NT	NT	NT	>480	>240
Battery Acid 47%	7664-93-9	NT	NT	NT	NT	>480	>240
Sulfuric Acid 10%	7664-93-9	NT	NT	NT	NT	>480	>240
Sulfuric Acid 25%	7664-93-9	NT	NT	NT	NT	>480	>240
Nitric Acid 23%	7697-37-2	NT	NT	NT	NT	>480	>240
Nitric Acid 50%	7697-37-2	NT	NT	NT	NT	>240	>240
Nitric Acid 10%	7697-37-2	NT	NT	NT	NT	>480	>240
Nitric Acid 70%	7697-37-2	NT	NT	NT	NT	>60	NT
Nitric Acid 35%	7697-37-2	NT	NT	NT	NT	>480	>240
Chlorine (Gas)	7782-50-5	NT	NT	NT	NT	>480	NT
Gasoline (unleaded)	8006-61-9	E	E	E	E	>120	NT
Kerosene	8008-20-6	E	E	E	E	>480	>480
Pentachloropropane	23153-23-3	NT	NT	NT	NT	>30	NT
Dry cleaning safety solvent	64475-85-0	E	E	E	E	>480	NT
Diesel Fuel	77650-28-3	E	E	E	E	>480	>480



## 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.

