

# Chemical Compatibility Guide for: SHOWA 620 PVC Coated Gloves

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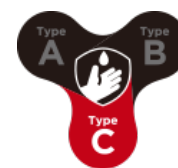
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# SHOWA ATLAS 620

Material PVC LENGTH 12 in. / 300mm



## CHEMICAL PERMEATION

CHEMICAL NAME	CAS NUMBER	BDT	
		TTL ASTM F739	INT ASTM F1383
Carbon Tet	56-23-5	>30	NT
Urea (s) 99%	57-13-6	>480	>240
Urea (s) 35%	57-13-6	>480	>240
Urea (s) 62%	57-13-6	>480	>240
Aminobenzene	62-53-3	>60	NT
Acetic Acid 99%	64-19-7	>30	NT
Acetic Acid 10%	64-19-7	>480	>240
Acetic Acid 84%	64-19-7	>30	NT
Acetic Acid 50%	64-19-7	>120	NT
Benzoic Acid (s) 99%	65-85-0	>480	>240
2-Propanol	67-63-0	>30	NT
2-Propanone	67-64-1	NT	6-10
Chloroform	67-66-3	NT	6-10
Dimethylsulfoxide (DMSO)	67-68-5	>120	NT
Dimethyl Formamide	68-12-2	>30	NT
Salicylic acid (s) 99%	69-72-7	>480	>240
n-Propanol	71-23-8	>60	NT
Benzene	71-43-2	6-10	NT
Acetonitrile	75-05-8	>10	NT
Chloride, Methylene	75-09-2	1-5	NT
Citric Acid 75%	77-92-9	>480	>240
Citric Acid 99%	77-92-9	>480	>240
Citric Acid 30%	77-92-9	>480	>240
Citric Acid 50%	77-92-9	>480	>240

Dichloropropane, 1,2-	78-87-5	>10	NT
2-Butanone	78-93-3	1-5	NT
2-Propeneamide 98%	79-06-1	>480	>240
2-Propeneamide 50%	79-06-1	>480	>240
Methacrylic Acid 99%	79-41-4	>60	NT
Benzene, Ethyl	100-41-4	6-10	NT
1,2-Dichloroethane	107-06-2	NT	6-10
Acrylonitrile	107-13-1	1-5	NT
2-Propen-1-ol	107-18-6	>10	NT
Methyl Propyl Ketone	107-87-9	NT	6-10
2-Pentanone, Methyl-	108-10-1	NT	>10
PROPYLENE GLYCOL MONOMETHYL ETHER ACETATE	108-65-6	>10	NT
Benzene, Methyl	108-88-3	NT	>10
Cyclohexanol	108-93-0	NT	>240
Cyclohexanone	108-94-1	>30	NT
Carbolic Acid 89%	108-95-2	NT	>60
Pentane	109-66-0	>10	NT
DEA	109-89-7	6-10	NT
Hexane	110-54-3	>10	NT
n-Octane	111-65-9	>30	NT
2-Butoxyethanol	111-76-2	>60	NT
PERC	127-18-4	>10	NT
Butyl Acrylate	141-32-2	>10	NT
Ethyl Acetate	141-78-6	6-10	NT
Heptane	142-82-5	>10	NT
Calcium Carbonate (s) 99%	471-34-1	>480	>240
3-Methyl-2-Butanone	563-80-4	6-10	NT
Methyl Pyrrolidone, N-	872-50-4	>30	NT
Hexamethyldisilazane	999-97-3	>240	>240
3,8-Diamino-5-ethyl-6-phenylphenanthridinium bromide 5%	1239-45-8	>480	>240
3,8-Diamino-5-ethyl-6-phenylphenanthridinium bromide 1%	1239-45-8	>480	>240
3,8-Diamino-5-ethyl-6-phenylphenanthridinium bromide 10%	1239-45-8	>480	>240
3,8-Diamino-5-ethyl-6-phenylphenanthridinium bromide 95%	1239-45-8	>480	>240
Calcium Hydroxide (s) 95%	1305-62-0	>480	>240
Iron Oxide (s) 99%	1309-37-1	>480	>240
Caustic Potash 99%	1310-58-3	>480	>240
Caustic Potash 20%	1310-58-3	>480	>240

Caustic Potash 30%	1310-58-3	>480	>240
Caustic Potash 45%	1310-58-3	>480	>240
Caustic Potash 10%	1310-58-3	>480	>240
Caustic Soda 98%	1310-73-2	480	>120
Caustic Soda 40%	1310-73-2	NT	>240
Caustic Soda 50%	1310-73-2	NT	>240
Caustic Soda 20%	1310-73-2	>480	>240
Caustic Soda 30%	1310-73-2	>480	>240
Caustic Soda 10%	1310-73-2	480	>120
Chromic Acid Solution 99%	1333-82-0	>480	>240
Ammonia Solution 29%	1336-21-6	>10	NT
Butoxypropanol	5131-66-8	>60	NT
Aluminum Chloride (s) 98%	7446-70-0	>480	>240
Potassium Chloride (s) 99%	7447-40-7	>480	>240
Muriatic Acid 32%	7647-01-0	NT	>240
Hydrochloric Acid 37%	7647-01-0	NT	>240
Hydrochloric Acid 10%	7647-01-0	NT	>240
Muriatic Acid 20%	7647-01-0	NT	>240
Sodium Chloride (s) 99%	7647-14-5	>480	>240
Phosphoric Acid 85%	7664-38-2	>480	>240
Phosphoric Acid 10%	7664-38-2	>480	>240
Phosphoric Acid 50%	7664-38-2	>480	>240
Hydrofluoric Acid 48%	7664-39-3	>120	NT
Hydrofluoric Acid 99%	7664-39-3	1-5	NT
Battery Acid 10%	7664-93-9	NT	>240
Battery Acid 25%	7664-93-9	NT	>240
Battery Acid 50%	7664-93-9	NT	>240
Battery Acid 96%	7664-93-9	>60	NT
Battery Acid 70%	7664-93-9	NT	>240
Battery Acid 47%	7664-93-9	NT	>240
Bleach: Sodium Hypochlorite 12%	7681-52-9	>480	>240
Bleach: Sodium Hypochlorite 6%	7681-52-9	>480	>240
Nitric Acid 23%	7697-37-2	NT	>240
Nitric Acid 70%	7697-37-2	>60	NT
Nitric Acid 65%	7697-37-2	>60	NT
Nitric Acid 35%	7697-37-2	>240	>120
Nitric Acid 50%	7697-37-2	>120	NT

Nitric Acid 10%	7697-37-2	NT	>240
Iron Chloride Solution 45%	7758-94-3	>480	>240
Iron Chloride Solution 98%	7758-94-3	>480	>240
Chlorine (Gas)	7782-50-5	>10	NT
Iron Sulfate (s) 99%	7782-63-0	>480	>240
Hydrobromic Acid 48%	10035-10-6	>480	>240
Boric acid (s) 99%	10043-35-3	>480	>240
Calcium Chloride (s) 96%	10043-52-4	>480	>240
Tetrachloropropene	10436-39-2	>10	NT
Talc (s) 99%	14807-96-6	>480	>240
Pentachloropropane	23153-23-3	>30	NT
Antimony Tributylate 95%	53856-17-0	>480	>240
Kerosene (hydrosulfurized)	64742-81-0	>480	>240
Mineral Spirits (White Spirits Type 0)	64742-88-7	>240	>240
Diesel Oil	68334-30-5	>120	NT

#### 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.

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