

Chemical Compatibility Guide for: SHOWA 660ESD PVC Coated Gloves

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660ESD

Material PVC LENGTH 12 in. / 300mm

CHEMICAL PERMEATION

CHEMICAL NAME	CAS NUMBER	BDT	
		TTL ASTM F739	INT ASTM F1383
Carbon Tet	56-23-5	>10	NT
1,2-Propanediol	57-55-6	480	NT
Diethyl Ether	60-29-7	1-5	NT
Aminobenzene	62-53-3	>30	NT
Ethanol	64-17-5	>30	NT
Acetic Acid 84%	64-19-7	>120	NT
Acetic Acid 99%	64-19-7	>60	NT
Acetic Acid 50%	64-19-7	>120	NT
Methanol	67-56-1	>10	NT
2-Propanol	67-63-0	>60	NT
2-Propanone	67-64-1	1-5	NT
Chloroform	67-66-3	1-5	NT
Dimethylsulfoxide (DMSO)	67-68-5	>30	NT
Dimethyl Formamide	68-12-2	>30	NT
n-Propanol	71-23-8	>30	NT
Butanol	71-36-3	>240	NT
Alcohol, Amyl	71-41-0	480	NT
Benzene	71-43-2	>10	>10
1,1,1-Trichloroethane	71-55-6	>10	NT
Chloride, Methyl (GAS)	74-87-3	>10	NT
Acetonitrile	75-05-8	>10	NT
Acetaldehyde	75-07-0	6-10	NT
Chloride, Methylene	75-09-2	1-5	NT
Bromoform	75-25-2	>10	NT
Nitromethane	75-52-5	>10	NT
1,2-Epoxypropane	75-56-9	6-10	NT

1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	>10	NT
Citric Acid 30%	77-92-9	480	NT
2-Butanol	78-83-1	>30	NT
2-Butanone	78-93-3	>10	NT
Ethylene, Trichloride	79-01-6	6-10	NT
2-Propenamide(s) 99%	79-06-1	480	NT
Chloroacetic Acid 70%	79-11-8	480	NT
Acetate, Methyl	79-20-9	1-5	NT
DBP	84-74-2	>240	NT
Vinyl Pyrrolidinone	88-12-0	>120	NT
1,2,4 - Trimethyl Benzene 98%	95-63-6	>10	NT
Butanone Oxime	96-29-7	1-5	NT
2-Furaldehyde	98-01-1	>10	NT
Benzene, Trifluoromethyl	98-08-8	>10	NT
Butyl Toluene, p-Tert	98-51-1	480	NT
1-chloro-4-[trifluoromethyl]Benzene	98-56-6	>10	NT
(1-Methylethyl)benzene	98-82-8	6-10	NT
1-Phenylethanone	98-86-2	>60	NT
Benzene, Ethyl	100-41-4	>10	NT
Benzene, Vinyl	100-42-5	>10	NT
Benzaldehyde	100-52-7	>60	NT
2,2',2''-Nitrilotriethanol	102-71-6	480	NT
±)-2-(Chloromethyl)oxiran	106-89-8	>10	NT
1,2-Dichloroethane	107-06-2	>10	NT
Acrylonitrile	107-13-1	6-10	NT
2-Propen-1-ol	107-18-6	>30	NT
1,2-Ethanediol	107-21-1	>480	NT
Methyl Propyl Ketone	107-87-9	>10	NT
1-methoxy-2-propanol	107-98-2	>60	NT
Acetate, Vinyl	108-05-4	1-5	NT
Acetate, Isopropyl	108-21-4	6-10	NT
2,6-Dimethyl-4-Heptanone	108-83-8	>60	NT
Benzene, Methyl	108-88-3	>10	NT
Cyclohexanol	108-93-0	480	NT
Cyclohexanone	108-94-1	>60	NT
Carbolic Acid 89%	108-95-2	>120	NT
Dimethyl Propanamide, N,N'	109-55-7	>10	NT

Pentane	109-66-0	>10	NT
1-Aminobutane	109-73-9	6-10	NT
DEA	109-89-7	6-10	NT
Diethylene Oxide	109-99-9	>10	NT
Hexane	110-54-3	>10	NT
Cyclohexane	110-82-7	>120	NT
Diethylene oximide	110-91-8	>30	NT
Oleic Acid 98%	112-80-1	>480	NT
3-Methyl-1-butanol	123-51-3	>10	NT
Butyl Acetate	123-86-4	>30	NT
1,4-Dioxane	123-91-1	>10	NT
PERC	127-18-4	>10	NT
Dimethylacetamide N,N-	127-19-5	>10	NT
Butyl Acrylate	141-32-2	>30	NT
2-Aminoethanol	141-43-5	>480	NT
Ethyl Acetate	141-78-6	6-10	NT
Heptane	142-82-5	>60	NT
3,4-DCBTF	328-84-7	>30	NT
2,2,4-Trimethyl Pentane	540-84-1	>240	NT
3-Methyl-2-Butanone	563-80-4	>10	NT
Amyl Acetate	628-63-7	>60	NT
Methyl Pyrrolidone, N-	872-50-4	>60	NT
2-Bromoethyl Acetate	927-68-4	>30	NT
Caustic Soda 40%	1310-73-2	>480	NT
Divinyl Benzene	1321-74-0	6-10	NT
dimethyl benzene	1330-20-7	>10	NT
Tricresyl Phosphate	1330-78-5	480	NT
Ammonia Solution 29%	1336-21-6	>30	NT
1-Propoxy-2-propanol	1569-01-3	>30	NT
Methyl-Tert-Butyl Ether	1634-04-4	>10	NT
Butoxypropanol	5131-66-8	480	NT
D-Limonene	5989-27-5	>30	NT
Muriatic Acid 32%	7647-01-0	480	NT
Hydrochloric Acid 10%	7647-01-0	480	NT
Hydrochloric Acid 37%	7647-01-0	>480	NT
Muriatic Acid 20%	7647-01-0	480	NT
Hydrofluoric Acid 48%	7664-39-3	>60	NT

Sulfuric Acid 10%	7664-93-9	480	NT
Sulfuric Acid 25%	7664-93-9	480	NT
Sulfuric Acid 50%	7664-93-9	>480	NT
Sulfuric Acid 70%	7664-93-9	480	NT
Nitric Acid 70%	7697-37-2	>60	NT
Nitric Acid 10%	7697-37-2	480	NT
Nitric Acid 23%	7697-37-2	NT	NT
Hydrogen Peroxide 30%	7722-84-1	480	NT
Chlorine (Gas)	7782-50-5	>30	NT
Hydroxylamine 50%	7803-49-8	NT	NT
Gasoline (unleaded)	8006-61-9	>30	NT
Fir Oil	8006-64-2	>120	NT
Ligroin	8032-32-4	>120	NT
Dry Cleaning Mineral Spirits	8052-41-3	>120	NT
Tetrachloropropene	10436-39-2	>30	NT
Ammonium Fluoride 40%	12125-01-8	NT	NT
1-Chloro-2-Methyl Benzene	25168-05-2	>10	NT
Dry cleaning safety solvent	64475-85-0	>60	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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