



Chemical Compatibility Guide for: Best® Butyl II® Gloves

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Chemical Tested	CAS Number	Concentration	ASTM F 739 Permeation Resistance to Heavy Exposure Breakthrough Time in Minutes	Rate in µg/cm ² /min	EN 374 Rating (0 to 6)	ASTM F1383 Permeation Resistance to Limited Exposure Breakthrough Time in Minutes	Rate in µg/cm ² /min	EN 374 Rating (0 to 6)	5 Min.	30 Min.	60 Min.	240 Min.
Acetone	67-64-1	100%	139	99	4	NT	NT	NT	>E	E	E	E
Acetonitrile	75-05-8	100%	>480	ND	6	>240	ND	5	>E	G	F	F
Acetophenone	98-86-2	100%	>480	ND	6	>240	ND	5	>E	E	E	E
Acrylamide	79-06-1	50%	>480	ND	6	>240	ND	5	>E	E	E	E
Acrylonitrile	107-13-1	100%	>480	ND	6	>240	ND	5	>E	E	E	E
Ammonium Hydroxide	1336-21-6	29%	>480	ND	6	>240	ND	5	>E	E	E	E
Amyl Acetate	628-63-7	100%	NT	NT	NT	NT	NT	NT	>E	E	E	E
Benzyl Alcohol	100-51-6	100%	>480	ND	6	>240	ND	5	>E	E	E	E
Butanol	71-36-3	100%	>480	ND	6	>240	ND	5	>E	E	E	E
Carbon Tetrachloride	56-23-5	100%	18	873	1	NT	NT	NT	>F	P	NR	NR
Cellosolve Acetate	110-80-5	100%	>480	ND	6	>240	ND	5	>E	E	E	E
Chlorobenzene	108-90-7	100%	20	337	1	NT	NT	NT	>G	P	NR	NR
Chloroform	67-66-3	100%	15	170	1	NT	NT	NT	>F	NR	NR	NR
Cyclohexane	110-82-7	100%	13	920	1	NT	NT	NT	>E	F	P	NR
Cyclohexanol	108-93-0	100%	>480	ND	6	>240	ND	5	>E	E	E	E
Cyclohexanone	108-94-1	100%	>480	ND	6	>240	ND	5	>E	E	E	E
Di-isobutyl Ketone	108-83-8	100%	52	168	2	NT	NT	NT	>E	E	G	G
Dichloroethane 1,2-	107-06-2	100%	3	1381	0	NT	NT	NT	>E	E	E	NR
Diesel Fuel	77650-28-3	100%	84	395	3	NT	NT	NT	>E	P	NR	NR
Diethylene Glycol	111-46-6	99%	>480	ND	6	>240	ND	5	>E	E	E	E
Dioxane 1,4-	123-91-1	100%	206	38	4	NT	NT	NT	>E	E	E	E
Epichlorohydrin	106-89-8	100%	>480	ND	6	>240	ND	5	>E	E	E	E
Ethanol	64-17-5	100%	>480	ND	6	>240	ND	5	>E	E	E	E
Ethylene Glycol	107-21-1	100%	>480	ND	6	>240	ND	5	>E	E	E	E
Gasoline (unleaded)	8006-61-9	100%	29	292	1	NT	NT	NT	>E	P	NR	NR
Heptane	142-82-5	100%	9	453	0	NT	NT	NT	>E	P	NR	NR
Hexane	110-54-3	100%	7	1621	0	NR	NR	0	>G	P	P	P
Hydrazine Hydrate	302-01-2	85%	>480	ND	6	>240	ND	5	>E	E	E	E
Hydrochloric Acid	7647-01-0	37%	>480	ND	6	>240	ND	5	>E	E	E	E

Chemical Tested	CAS Number	Concentration	ASTM F 739 Permeation Resistance to Heavy Exposure Breakthrough			ASTM F1383 Permeation Resistance to Limited Exposure Breakthrough			5 Min.	30 Min.	60 Min.	240 Min.
			Time in Minutes	Rate in µg/cm ² /min	EN 374 Rating (0 to 6)	Time in Minutes	Rate in µg/cm ² /min	EN 374 Rating (0 to 6)				
Hydrofluoric Acid	7664-39-3	48%	>480	ND	6	>240	ND	5	>E	E	E	E
Iso Amyl Alcohol	123-51-3	100%	>480	ND	6	>240	ND	5	>E	E	E	E
Isopropyl Alcohol	67-63-0	100%	>480	ND	6	>240	ND	5	>E	E	E	E
Kerosene	8008-20-6	100%	9	137	0	NT	NT	NT	>G	P	NR	NR
Limonene D-	5989-27-5	100%	9	137	0	NT	NT	NT	>G	P	NR	NR
Methanol	67-56-1	100%	>480	ND	6	>240	ND	5	>E	E	E	E
Methyl Ethyl Ketone	78-93-3	100%	49	36	2	NT	NT	NT	>G	G	G	G
Methyl-tert-butyl Ether	1634-04-4	100%	7	135	0	NT	NT	NT	>E	G	F	F
Methylene Chloride	75-09-2	100%	7	644	0	NT	NT	NT	>G	P	P	P
Mineral Spirits	64475-85-0	100%	16	77	1	NT	NT	NT	>E	G	F	NR
Muriatic Acid (10% Hcl)	1/1/7647	10%	>480	ND	6	>240	ND	5	>E	E	E	E
Naphtha	8032-32-4	100%	3	767	0	NT	NT	NT	>E	F	F	F
Nitric Acid	7697-37-1	23%	>480	ND	6	>240	ND	5	>E	E	E	E
Nitric Acid	7697-37-2	70%	>480	ND	6	>240	ND	5	>E	E	E	E
Nitrobenzene	98-95-3	100%	>480	ND	6	>240	ND	5	>E	E	E	E
Octanol N-	111-87-5	100%	>480	ND	6	>240	ND	5	>E	E	E	E
Perchloroethylene	127-18-4	100%	7	633	0	NT	NT	NT	>P	NR	NR	NR
Phenol	108-95-2	100%	>480	ND	6	>240	ND	5	>E	E	E	E
Phosphoric Acid	7664-38-2	85%	>480	ND	6	>240	ND	5	>E	E	E	E
Sodium Hydroxide	1310-73-2	50%	>480	ND	6	>240	ND	5	>E	E	E	E
Styrene	100-42-5	100%	15	85	1	NT	NT	NT	>G	NR	NR	NR
Sulfuric Acid	7664-93-9	97%	>480	ND	6	>240	ND	5	>E	E	E	E
Tetrahydrofuran	109-99-9	100%	13	662	1	NT	NT	NT	>G	F	P	P
Toluene	108-88-3	100%	7	609	0	NT	NT	NT	>G	P	NR	NR
Trichloroethane 1,1,1-	71-55-6	100%	13	107	1	NT	NT	NT	>P	NR	NR	NR
Trichloroethylene	79-01-6	100%	3	1381	0	NT	NT	NT	>NR	NR	NR	NR
Xylene	1330-20-7	100%	25	267	1	NT	NT	NT	>NR	NR	NR	NR