



Blue-Grip LL-301

Chemical Product	CAS #	BTT (minutes)	Permeation level	Standard	Degradatio level	Rating
1,1,1,2-Tetrafluoroethane (HFC-134A) freon 134A 99%	811-97-2	51	2	ASTM F739	NT	NA
Acetone 99%	67-64-1	9	0	EN 374-3:2003	NT	NA
Diethylamine 98%	109-89-7	4	0	ASTM F739	1	-
Dimethylformamide 99%	68-12-2	31	2	ASTM F739	4	+
Freon 114 99%	76-14-2	78	3	ASTM F739	NT	NA
Freon 124 99%	2837-89-0	41	2	ASTM F739	NT	NA
Freon 152A 99%	75-37-6	9	0	ASTM F739	NT	NA
Hydrogen chloride 99%	7647-01-0	117	3	ASTM F739	NT	NA
Hydrogen fluoride Anhydrous 99%	7664-39-3	71	3	ASTM F739	NT	NA
Hydrogen peroxide 30%	7722-84-1	480	6	ASTM F739	NT	NA
Methanol 85%	67-56-1	NT	NT		4	NA
Methanol 99%	67-56-1	11	1	ASTM F739	4	+
Sodium hydroxide 20%	1310-73-2	480	6	ASTM F739	4	++
Sodium hydroxide 40%	1310-73-2	480	6	ASTM F739	4	++
Sodium hydroxide 50%	1310-73-2	480	6	ASTM F739	4	++
Styrene 99%	100-42-5	14	1	ASTM F739	NT	NA
Sulfuric acid 10%	7664-93-9	NT	NT		4	NA
Sulfuric acid 40%	7664-93-9	NT	NT		4	NA
Sulfuric acid 50%	7664-93-9	NT	NT		4	NA
Sulfuric acid 96%	7664-93-9	30	1	ASTM F739	2	=
Tetrachloroethylene (Perchloroethylene) 99%	127-18-4	11	1	ASTM F739	1	-
Vinyl Chloride 99%	75-01-4	11	1	ASTM F739	NT	NA

*not normalized result

Overall Chemical Protection Rating

Protection rating is determined by taking into account the effects of both permeation and degradation in an attempt to provide users with an overall protection guideline when using our glove products against specific chemicals.

- Used for **high chemical exposure** or chemical immersion, limited to BTT based on a working day.
- Used for **repeated chemical contact**, limited to total chemical exposure i.e. : accumulative BTT based on a working day.
- **Splash protection only**, on chemical exposure the gloves should be discarded and new gloves worn as soon as possible.
- **Not recommended**, these gloves are deemed unsuitable for work with this chemical.

 NT : Not tested

 NA : Not applicable because not fully tested (only degradation OR permeation results)

The chemical test data and overall chemical protection rating should not be used as the absolute basis for glove selection. Actual in-use conditions may vary glove performance from the controlled conditions of laboratory tests. Factors other than chemical contact time, such as concentration and temperature, glove thickness and glove reuse, may also affect performance. Other glove requirements, such as length, dexterity, cut, abrasion, puncture and snag resistance, or glove grip also need to be considered in making your final selection.