

TABLE OF CHEMICAL RESISTANCE OF PE

A/A	CHEMICAL SUBSTANCES	CONCENTR. %	MATERIAL	TEMP. °C					CONCENTR. %	MATERIAL	TEMP. °C		
				20	40	60					20	40	60
1	ACETIC ACID	W.S 100%	LDPE	B	B	B	40	HYDROGEN SULPHITE		LDPE	A	A	A
			HDPE	A	A	B				HDPE	A	A	A
2	ACETIC ANHYDRID		LDPE	B	B	B	41	IRON TRICHLORIDE		LDPE	A	A	A
			HDPE	A	A	B				HDPE	A	A	A
3	ACETONE	100%	LDPE	B	B	C	42	KETONES		LDPE	B	B	C
			HDPE	B	B	C				HDPE	A	A	B
4	AMMONIA GAS		LDPE	A	A	A	43	MERCURY		LDPE	A	A	A
			HDPE	A	A	A				HDPE	A	A	A
5	AMMONIA LIQUID	100%	LDPE	A	A	B	44	METHANOL		LDPE	A	A	B
			HDPE	A	A	A				HDPE	A	A	A
6	ANIMAL-VEGETABLE OILS		LDPE	B	A	A	45	METHYLCHLORIDE		LDPE	B	B	C
			HDPE	A	A	B				HDPE	B	B	B
7	BEER		LDPE	A	A	A	46	MOLASSES		LDPE	B	B	C
			HDPE	A	A	A				HDPE	A	A	A
8	BENZENE		LDPE	C	C	C	47	NAPHTHALENE		LDPE	A	A	C
			HDPE	B	B	B				HDPE	A	A	C
9	BORAX		LDPE	A	A	A	48	NITRIC ACID	50%	LDPE	B	B	B
			HDPE	A	A	A				HDPE	B	B	B
10	BORIC ACID		LDPE	A	A	A	49	NITROBENZENE		LDPE	B	B	C
			HDPE	A	A	A				HDPE	A	A	B
11	BUTANOL		LDPE	A	A	A	50	NITROUS FUMES		LDPE	A	A	B
			HDPE	A	A	A				HDPE	A	A	A
12	CARBON DIOXIDE		LDPE	A	A	A	51	MINERAL OILS		LDPE	B	B	C
			HDPE	A	A	A				HDPE	A	A	B
13	CARBON MONOXIDE		LDPE	A	A	A	52	OZONE		LDPE	B	B	C
			HDPE	A	A	A				HDPE	B	B	C
14	CARBON TETRACHLORIDE		LDPE	C	C	C	53	PARAFFIN OIL		LDPE	A	A	A
			HDPE	C	C	C				HDPE	A	A	A
15	CHLOROACETIC ACID		LDPE	C	C	C	54	PETROL		LDPE	B	B	C
			HDPE	A	A	A				HDPE	A	A	B
16	CHLOROFORM		LDPE	C	C	C	55	PHOSPHORIC ACID	W.S. 50%	LDPE	A	A	A
			HDPE	C	C	C				HDPE	A	A	A
17	CHROME ACID	W.S. 50%	LDPE	C	C	C	56	PHOSPHORIC ACID	W.S. 85%	LDPE	A	A	B
			HDPE	A	A	C				HDPE	A	A	B
18	CITRIC ACID		LDPE	A	A	A	57	POTASSIUM BORATE	W.S. 1%	LDPE	A	A	A
			HDPE	A	A	A				HDPE	A	A	A
19	CRUDE OIL		LDPE	B	B	C	58	POTASSIUM BROMIDE		LDPE	A	A	A
			HDPE	A	A	B				HDPE	A	A	A
20	DEXTRIN		LDPE	A	A	B	59	POTASSIUM HYDROXIDE		LDPE	A	A	A
			HDPE	A	A	A				HDPE	A	A	A
21	DICHLOROETHANE		LDPE	B	B	B	60	PROPANOL		LDPE	A	A	A
			HDPE	B	B	B				HDPE	A	A	A
22	DICHLOETHYLENE		LDPE	C	C	C	61	PROPYLENE GLYCOL		LDPE	A	A	A
			HDPE	C	C	C				HDPE	A	A	A
23	DIESEL OIL		LDPE	B	B	C	62	SATURATED SALT SOLUTION		LDPE	A	A	A
			HDPE	A	A	B				HDPE	A	A	A
24	DIETHYL ETHER		LDPE	C	C	C	63	SODIUM CARBONATE		LDPE	A	A	A
			HDPE	B	B	B				HDPE	A	A	A
25	DRY CHLORINE		LDPE	C	C	C	64	SODIUM CHLORIDE	W.S. 50%	LDPE	B	B	C
			HDPE	B	B	C				HDPE	A	A	B
26	ESSENTIAL OILS		LDPE	B	B	C	65	SODIUM HYDROXIDE		LDPE	A	A	A
			HDPE	C	C	C				HDPE	A	A	A
27	ETHYL ALCOHOL	96%	LDPE	B	B	C	66	SODIUM HYPOCHLORITE		LDPE	B	B	B
			HDPE	A	A	A				HDPE	A	A	A
28	ETHYLACETATE		LDPE	B	B	C	67	STARCH		LDPE	A	A	A
			HDPE	B	B	C				HDPE	A	A	A
29	FENOL		LDPE	B	B	C	68	STEARIC ACID		LDPE	A	A	C
			HDPE	A	A	B				HDPE	A	A	B
30	FORMALDEHYDE	W.S. 40%	LDPE	A	A	A	69	SULPHUR DIOXIDE		LDPE	A	A	A
			HDPE	A	A	A				HDPE	A	A	A
31	FORMIC ACID		LDPE	A	A	A	70	SULPHURIC ACID	W.S. 40%	LDPE	A	A	A
			HDPE	A	A	A				HDPE	A	A	A
32	FRUIT JUICES		LDPE	A	A	A	71	SULPHURIC ACID	98%	LDPE	B	B	C
			HDPE	A	A	A				HDPE	B	B	C
33	GALACTIC ACID		LDPE	A	A	A	72	SULPHUROUS ACID		LDPE	A	A	A
			HDPE	A	A	A				HDPE	A	A	A
34	GLUCOSE		LDPE	B	B	B	73	TANNIC ACID	W.S. 10%	LDPE	A	A	A
			HDPE	B	B	B				HDPE	A	A	A
35	GLYCERINE		LDPE	A	A	A	74	TARTARIC ACID		LDPE	A	A	A
			HDPE	A	A	A				HDPE	A	A	A
36	HYDROCHLORIC ACID	W.S. 36%	LDPE	A	A	B	75	TETRACHLOROETHANE		LDPE	C	C	C
			HDPE	A	A	A				HDPE	C	C	C
37	HYDROGEN		LDPE	A	A	A	76	TOLUENE		LDPE	C	C	C
			HDPE	A	A	A				HDPE	C	C	C
38	HYDROGEN BROMIDE	50%	LDPE	A	A	A	77	TRICHLOROETHYLENE		LDPE	C	C	C
			HDPE	A	A	A				HDPE	C	C	C
39	HYDROGEN PEROXIDE	W.S. 90%	LDPE	A	A	C	78	UREA	W.S. 33%	LDPE	A	A	A
			HDPE	A	A	C				HDPE	A	A	A

A : Excellent Resistance B : Limited Resistance C : No Resistance
W.S. : Water Solution