

## CHEMICAL RESISTANCE

The table below shows the resistance of polyethylene against various chemicals at 23°C and 60°C. (+) signs in the table indicate that the polyethylene is resistant to chemicals, (/) means that the polyethylene has a limited resistance and (-) means that the polyethylene has no resistance against chemicals.

CHEMICAL	CON-CENTRA-TION %	CHEMICAL RESISTANCE		CHEMICAL	CON-CENTRA-TION %	CHEMICAL RESISTANCE		CHEMICAL	CON-CENTRA-TION %	CHEMICAL RESIS-TANCE	
		23°C	60°C			23°C	60°C			23°C	60°C
ACETIC ACID	100	+	+	CARBON DISULPHIDE	100	/	-	ETHYL-2-HEXANET ACID CHLORIDE	100	+	
ACETICANHYDRIDE	100	+		CARBON TETRACHLORIDE	SAT	+	+	ETHYL-2-HEXYL CHLOROFORMIAT	100	+	
ACETONE	100	+	+	CARBONIC ACID,AQ	50	+	+	ETHYLACETATE	100	+	/
AKKUMULATOR ACID	38	+	+	CAUSTIC POTASH SOLUTION	100	/	-	ETHYLBENZENE	100	/	-
ALUMINIUM SALT,AQ	SAT	+	+	CHOLORBENZENE	SAT	/	-	ETHYLCHLORIDE	100	/	
AMMONIA,AQ	SAT	+	+	CHLORINE WATER	100	-		ETHYLENE CHLORHYDRIN	100	+	+
AMMONIUM SALTS,AQ	SAT	+	+	CHLORINE, LIQUID	100	/	-	ETHYLENE CHLORIDE	100	/	/
AMYL ALCOHOL	100	+	+	CHLOROFORM	100	-	-	ETHYLENE DAIMINETETRAACETIC ACID,AQ	SAT	+	+
ANILINE	100	+	+	CHLOROSULFONIC ACID	20	+	+	ETHYLGLYKOLACETATE	100	+	
ANTIFREEZE GLYCOL	50	+	+	CHROMIUM SALTS,AQ	SAT	+	+	FATTY ACIDS > C6	100	+	/
ASPHALT	100	+	/	CHROMIUMTRIOXIDE,AQ	SAT	+	-	FERROUS SALT,AQ	SAT	+	+
BARIUM SALTS,AQ	SAT	+	+	COOPER (III) - SALTS,AQ	SAT	+	+	FLOOR POLISH	100	+	/
BARIUM SALTS,AQ	100	+	+	CRESOL,AQ	SAT	+	/	FLOURIDE,AQ	SAT	+	+
BENZALDEHYDE	100	/	-	CUMOLHYDROPEROXIDE	70	+		FLUOSILICIC ACID	32	+	+
BENZENE	100	+	/	CYCLOHEXANE	100	+	+	FORMALDEHYDE,AQ	40	+	+
BENZINE	100	+	/	CYCLOHEXANOLE	100	+	+	FORMALIN	INDUST.	+	+
BENZINE, NORMAL	100	/	-	CYCLOHEXANE	100	+	/	FORMIC ACID	98	+	+
BENZINE, SUPER	SAT	+	+	DECAHYDRONAPHTALENE	100	/	-	FRIGEN 11	100	/	
BENZOIC ACID,AQ	100	+	+	DETERGENTS,AQ	10	+	+	FUEL OIL	100	+	/
BONE OIL	SAT	+	+	DIBUTYLPHTHALATE	100	+	/	FURFURYL ALCOHOL	100	+	/
BORAX,AQ	SAT	+	+	DIBUTYLSEBACATE	100	+	/	GLYCERINE	100	+	+
BORIC ACID,AQ	100	+	+	DISEL OIL	100	+	/	GLYCERINE,AQ	10	+	+
BREAK FLUID	100	-		DIETTHYETHER	100	+		GLYCOL	100	+	+
BROMINE	SAT	-	-	DIHEXYLPHTHALATE	100	+	+	GLYCOL ACID	70	+	+
BROMINE WATER	100	+		DISONONYLPHTHALATE	100	+	+	GLYCOL,AQ	50	+	+
BUTANE, LIQUID	100	+	/	ETHANOL	96	+	+	HEPTANE	100	+	/
BYTYL ACELATE	100	+	+	ETHANIL AMINE	100	+	+	HEAFLUOSILICIC ACID,AQ	SAT	+	+
BUTYL ALCOHOL,-N	SAT	+	+	ETHYL HEXANOL,-2	100	+		HEXANE	100	+	+
CALCIUM SALTS,AQ	100	/		ETHYL-2-HEXANE ACID	100	+		HUMIC ACIDS,AQ	1	+	+

CHEMICAL	CON-CENTRA-TION %	CHEMICAL RESISTANCE	
		23°C	60°C
HYDRAZINE, AQ	SAT	+	+
HYDRIODIC, AQ	SAT	+	
HYDROCHINONE, AQ		+	
HYDROCHLORIC ACIG	38	+	+
HYDROCHLORIC ACID	10	+	+
HYDROCHLORIC ACID	40	+	+
HYDROCHLORIC ACID	70	+	/
HYDRODEN PEROXIDE	30	+	+
HYDROGEN SULPHIDE	LOW	+	+
HYDROSYLAMMONIUM SULPHATE	SAT	+	+
HYDROXYACETONE	100	+	+
ISONONAN ACID	100	+	/
ISONONAN ACOD CHLORIDE	100	+	
ISOOCTANE	100	+	/
ISOPROPANOL	100	+	+
LACTIC ACID, AQ	90	+	+
LAURIC ACID CHLORIDE	100	+	
LITHIUM SALTS	SAT	+	+
LYSOL	INDUS.	+	/
MAGNESIUM SALTS, AQ	SAT	+	+
MENTHOL	100	+	
MERCURIC SALTS, AQ	SAT	+	+
MERCURY	100	+	+
METHAN SUPHONIC ACID	50	+	
METHANOL	100	+	+
METHOXYL BUTANOL	100	+	/
METHOXY BUTIL ACETATE	100	+	/
METHYL CYCLOHEXANE	100	+	/
METHYL ETHYL KETONE	100	+	+
METHYL GLYCOL	100	+	+
METHYL ISOBUTYL KETONE	100	+	/
METHYL SULPHURIC ACID	50	+	
METHYL-4-PENTANOL-2	100	+	+
METHYLACETATE	100	+	+
METHYLENE CHLORIDE	100	/	
MINERAL OIL	100	+	/
MONOCHLORACETIC ACID ETHYL ESTER	100	+	+
MONOCHLORACETIC ACID METHYL ESTER	100	+	+
MORPHOLINE	100	+	+

CHEMICAL	CON-CENTRA-TION %	CHEMICAL RESISTANCE	
		23°C	60°C
MOTOR OIL	100	+	/
NA-DODECYL BENZ. SULPHON	100	+	+
NAIL POLISH REMOVER	100	+	/
NEODECANAN ACID	100	+	
NEODECANAN ACID CHLORIDE	100	+	
NICKEL SALTS, AQ	SAT	+	+
NITRIC ACID	50	/	/
NITRIC ACID	25	+	+
NITROBENZENE	100	+	/
NITROHYDROCHLORIC ACID HCl:HNO3	3:1	+	-
NITROMETHANE	100	+	
OILS, ETHERIAL		+	
OILS, VEGETABLE	100	+	+
OLEIC ACID	100	+	/
OLEUM	>100	-	-
OXALIC ACID, AQ	SAT	+	+
PARAFIN OIL	100	+	/
PARALDEHYDE	100	+	
PCB	100	/	
PECTIN	SAT	+	+
PERCHLORETHYLENE	100	/	-
PERCHLORIC ACID	20	+	+
PERCHLORIC ACID	50	+	/
PERCHLORIC ACID	70	+	-
PETROLEUM	100	+	/
PETROLEUM ETHER	100	+	+/
PHENOL, AQ	SAT	+	+
PHENYLCHLOROFORM	100	/	/
PHOSPHATES, AQ	SAT	+	+
PHOSPHORIC ACID	85	+	+
PHOSPHORIC ACID	50	+	+
POTASSIUM PERMANGANATE, AQ	SAT	+	+
POTASSIUM PERSULPHATE, AQ	SAT	+	+
POTASSIUM SALT, AQ	SAT	+	
POTASSIUM SOAP	100	+	/
PROPANE, LIQUID	100	+	+
PYRIDINE	100	+	+
SALAD OIL	100	+	+

CHEMICAL	CON-CENTRA-TION %	CHEMICAL RESISTANCE	
		23°C	60°C
SALTED WATER	SAT	+	/
SEA WATER		+	+
SHOE POLISH	100	+	+
SILICONE OIL	100	+	+
SILVER SALTS, AQ	SAT	+	+
SOAP SOLUTION	SAT	+	+
SOAP SOLUTION	10	+	+
SODA LYE	60	+	+
SODIUM CHLORATE, AQ	25	+	+
SODIUM CHLORITE, AQ	5	+	/
SODIUM HYPOCHLORITE, AQ	5	+	+
SODIUM HYPOCHLORITE, AQ	30	/	/
SODIUM HYPOCHLORITE, AQ	20	+	+
SODIUM SALTS, AQ	SAT	+	+
SUCCINIC ACID, AQ	SAT	+	+
SULPHUR DIOXIDE, AQ	LOW	+	+
SULPHURIC ACID	96	-	-
TANNIC ACID	10	+	+
TAR	100	+	/
TARTARIC ACID, AQ	SAT	+	+
TEST FUEL, ALIPHATIC	100	+	/
TETRACHLORETHANE	100	/	-
TETRACHLORETHYLENE	100	+	-
TETRAHYDRO NAPHTHALENE	100	/	-
TETRAHYDROFURAN	100	/	-
THIOPHENE	100	+	/
TIN-II-CHLORIDE, AQ	SAT	/	+
TOLUENE	100	+	-
TRANSFORMER OIL	100	/	/
TRICHLORETHYLENE	100	+	-
TRICRESYL PHOSPHATE	100	+	+
TWO-STROKE OIL	100	+	/
UREA, AQ	SAT	+	/
URIC ACID	SAT	+	+
URINE		+	+
WASHING-UP LIQUID FLUID	5	+	+
WATER GASS	100	+	+
WETTING AGENT	100	+	/
XYLENE	100	/	-
ZINC SALTS, AQ	SAT	+	+