LLDPE - POLYETHYLENE CHEMICALS RESISTANCE TABLE

A = Resistent B = Limited resistance C = Not resistent - do not use

This table is a compilation of existing published data from leading manufacturers of polyethylene avaible on the web.
Before to use a rotomoulded product (tanks, bunds) check this table.
Remember that the aggressiviness of chemicals increase with the increase of temperature, of contact time, of pressure and with the plastic agir
The manufacturer assumes no responsability, obligation or liability in conjuction with the use or misuse of the informations herein.

PRODUCTS	20°	60°
Acetaldehyde 100%	B	C
Acetic acid 10%	A	A
Acetic acid 60%	A	B
Acetic acid, glacial >96%	B	C
Acetic anhydride 100%	B	C
Acetone 100%	B	C
Acetylsilicacid	A	A
Aliminum chloride - sat.sol.	A	A
Aliminum fluoride - sat.sol.	A	A
Aliminum sulphate - sat.sol.	A	A
Alums - sol.	A	A
Ammonia, aqueous - dil.sol.	A	A
Ammonia , dry gas 100%	A	A
Ammonia, liquid 100%	B	B
Ammonium chloride - sat.sol.	A	A
Ammonium fluoride - sol.	A	A
Ammonium hydroxide - 30%	A	A
Ammonium nitrate - sat.sol.	A	A
Ammonium oxalate - sat.sol.	A	A
Ammonium sulphate - sat.sol..	A	A
Ammonium sulphide - sol.	A	A
Amyl acetate 100%	C	C
Amyl alcohol 100%	B	B
Aniline 100%	C	C
Arsenic acid - sat.sol.	A	A
Ascorbic acid 10%	A	A
Barium bromide - sat.sol.	A	A
Barium carbonate - sat.sol.	A	A
Barium chloride - sat.sol.	A	A
Barium hydroxide - sat.sol.	A	A
Barium sulphide - sat.sol.	A	A
Beer 100%	A	A
Benzaldehyde 100%	B	C
Benzoic acid - sat.sol.	A	A
Borax - sat.sol.	A	A
Bromine liquid 100%	C	C
Butanol 100%	A	A
Butandiol 10%	A	A
Butandiol 50%	A	A
Butandiol 100%	A	A
Butyl alcohol 100%	A	A
Butyric (acid) 100%	B	C
Calcium carbonate	A	A
Calcium chlorate - sol.sat.	A	A
Calcium chloride - sol.sat.	A	A
Calcium hydroxide - sol.sat	A	A
Calcium hypochlorite - sol.	A	A
Calcium nitrate - sol.sat.	A	A
Calcium sulphate - sol.sat	A	A

PRODUCTS	20°	60°
Calcium sulphide - sol.sat.	B	B
Carbon disulphide 100%	C	C
Carbon monoxide 100%	A	A
Carbon tetrachloride 100%	B	C
Carbonic acid	A	A
Cycloexanol 100%	B	C
Cyclohexanone 100%	C	C
Citric acid - sol.sat.	A	A
Citric acid - 10%	A	A
Citric acid - 25%	A	A
Chlorine water - 2% sol.sat.	B	B
Chloroacetic acid - sol.	-	-
Chloroform 100%	C	C
Cloroethanol 100%	A	A
Chrome acid 20%	A	-
Chrome acid 100%	-	-
Copper chloride - sol.sat.	A	A
Copper cyanide - sol.sat.	A	A
Cresylic acid 100%	-	-
Diesel oil	A	B
Diethyl ether 100%	C	C
Detergents synthetic	A	A
Ethilene glyco 100%	A	A
Ethanol 40%	A	B
Ethanol 90%	B	B
Ethyl acetate 100%	B	C
Ethyl acrylate 100%	C	C
Ethyl alcohol 35%	A	A
Ethyl alcohol 100%	A	A
Ferric chloride - sol.sat.	A	A
Ferric nitrate - sol.	A	A
Ferric sulphate - sol.sat.	A	A
Ferrous chloride - sol.sat.	A	A
Ferrous sulphate - sol.sat.	A	A
Fluorosilicic acid 40%	A	A
Formaldehyde 40%	A	A
Formic acid 50%	A	A
Formic acid 98 -100%	A	A
Gallic acid - sol.sat.	A	A
Gasoline	C	C
Glycerine 100%	A	A
Glycolic acid - 30%	A	B
Glycolic acid - sol.	-	-
Glucose - sol.sat.	A	A
Hydrobromic acid 36%	A	A
Hydrobromic acid 50%	A	A
Hydrobromic acid 100%	A	A
Hydrocyanic acid 10%	A	A

PRODUCTS	20°	60°
Hydrocloric acid - up to 36%	A	A
Hydrocloric acid - up to 100%	A	A
Hydrofluoric acid 40%	A	A
Hydrofluoric acid 60%	A	B
Hidroquinone - sol.sat.	A	A
Hydrogen 100%	A	A
Hydrogen peroxide 30%	A	B
Hydrogen peroxide 90%	A	C
Hydrogen sulphide gas 100%	A	A
Hypochlorous acid conc.	A	A
Inks	A	A
Lactic acid 28%	A	A
Lactic acid - up to 100%	A	A
Lead acetate - sat.sol.	A	A
Lead nitrate - sat.sol.	A	A
Lubricating oil	A	A
Magnesium carbonate - sol.sat.	A	A
Magnesium chloride - sol.sat.	A	A
Magnesium hydroxide - sol.sat.	A	A
Magnesium nitrate - sol.sat.	A	A
Maleic acid - sol.sat.	A	A
Mercury chloride - sol.sat.	A	A
Mercury nitrate - sol.	A	B
Methanol 100%	A	A
Milk	A	B
Motor oil	A	A
Nickel chloride - Sol.sat.	A	A
Nickel nitrate - Sol.sat.	-	A
Nickel sulphate - Sol.sat.	A	A
Nitric acid 25%	A	B
Nitric acid 50%	A	B
Nitric acid 70%	A	C
Nitric acid 95 %	A	C
Nitric acid 100%	A	C
Nitrobenzene 100%	A	A
Oil heating	C	C
Oleic acid 100%	C	A
Orthophosphoric acid 50%	C	B
Orthophosphoric acid 95%	A	A
Oxalic acid - sol.sat.	B	A
Perchloric acid 20%	A	B
Perchloric acid 50%	A	C
Perchloric acid 70%	A	C
Phenol - sol.	A	A
Phosphoric acid - up to 25%	A	A
Phosphoric acid - 25% to 50%	A	B
Phosphorous trichloride 100%	B	B
Picric acid - sol.sat.	A	A
Potassium bromate - sol.sat.	A	A
Potassium bromide - sol.sat.	A	A
Potassium carbonate - sol.sat.	A	A
Potassium chlorate - sol.sat.	A	A
Potassium chloride - sat.sol.	A	A
Potassium chromate - sat.sol.	A	A

PRODUCTS	20°	60°
Potassium cyanide - sat.sol	A	A
Potassium hexacyanoferrate (III) - sat.sol.	A	A
Potassium hexacyanoferrate (II) - sat.sol.	A	A
Potassium hydrogen sulphate - sol.sat.	A	A
Potassium hydrogen sulphide - sol	-	-
Potassium fluoride	A	A
Potassium hydroxide - sol.	A	A
Potassium hypoclorite - Sol.	A	B
Potassium nitrate	A	A
Potassium orthophosphate	A	A
Potassium perchlorate	A	A
Potassium sulphate	A	A
Potassium sulphyde - sol	A	A
Propionic acid 50%	A	A
Propionic acid 100%	A	B
Salicylic acid - sat.sol.	A	A
Silver acetate - sat.sol	A	A
Silver nitrate - sat.sol.	A	A
Sodium benzoate - sat.sol.	A	A
Sodium bromide - sat.sol.	A	A
Sodium carbonate - sat.sol..	A	A
Sodium chlorate - sat.sol.	A	A
Sodium chloride - sat.sol.	A	A
Sodium cyanide - sat.sol..	A	A
Sodium hexacyanoferrate (III) - sat.sol.	-	-
Sodium hexacyanoferrate (II) - sat.sol.	-	-
Stannic chloride - sat.sol.	A	A
Stannous cloride - sat.sol.	A	A
Sulphur dioxide,dry 100%	A	A
Sulphur trioxide 100%	C	C
Sulphur acid 10%	A	A
Sulphur acid 50%	A	A
Sulphur acid 70%	A	B
Sulphur acid 80%	A	C
Sulphur acid 96%	A	C
Sulphur acid 98%	B	C
Sulphur acid fuming	C	C
Sulphurous acid 30%	A	A
Tannic acid - sol.	A	A
Tartaric acid - sol.sat.	A	A
Toluene 100%	C	C
Trichloroethylene 100%	C	C
Triethanolamine - sol.	-	-
Turpentine	B	C
Urea - sol.	A	A
Water	A	A
Wetting agents	A	A
Wine	C	C
Xilene 100%	A	A
Yeast - sol.	-	-
Zinc carbonate - Sol.sat.	A	A
Zinc chloride - Sol.sat.	A	A
Zinc oxide - Sol.sat.	A	A
Zinc sulphate - Sol.sat.	A	A