Dong Runze Special Vehicle DRZ tank lined LDPE
Resistance Chart by Chemical

LDPE & HDPE resistance listed by chemical	
1.4-dioxane	LDPE and HDPE at 20C° show little or no damage after 30 days of constant exposure. LDPE at 50C° shows some effect after 7 days of constant exposure.
Acetaldehyde	LDPE and HDPE at 20C° show little or no damage after 30 days of constant exposure. HDPE at 50C° shows some effect after 7 days of constant exposure. LDPE - immediate damage may occur.
Acetic Acid 5 %	LDPE and HDPE at 20C°-50C° show little or no damage after 30 days of constant exposure.
Acetic Acid, glacial 50%	LDPE and HDPE at 20C° show little or no damage after 30 days of constant exposure. LDPE at 50 C° - immediate damage may occur.
Acetone	LDPE and HDPE at 20C°-50C° - damage may occur. Not recommended for continuous use.
Allyl Alcohol	LDPE and HDPE at 20C°-50C° show little or no damage after 30 days of constant exposure.
Aluminum salts	LDPE and HDPE at 20C°-50C° show little or no damage after 30 days of constant exposure.
Amino acids	LDPE and HDPE at 20C°-50C° show little or no damage after 30 days of constant exposure.
Ammonia	LDPE and HDPE at 20C°-50C° show little or no damage after 30 days of constant exposure.
Ammonium carbonate, saturated	LDPE and HDPE at 20C°-50C° show little or no damage after 30 days of constant exposure.
Ammonium phosphate	LDPE and HDPE at 20C°-50C° show little or no damage after 30 days of constant exposure.
Ammonium sulphate	LDPE and HDPE at 20C°-50C° show little or no damage after 30 days of constant exposure.
Amyl chloride	HDPE at 20C° shows some effect after 7 days of constant exposure. HDPE at 50C° and LDPE at 20C°-50C° - immediate damage may occur. Not recommended for continuous use.
Aniline	LDPE and HDPE at 20C° show little or no damage after 30 days of constant exposure. HDPE at 50C° shows some effect after 7 days of constant exposure.
Benzene	LDPE and HDPE at 20C°-50C° - damage may occur. Not recommended for continuous use.
Benzyl alcohol	LDPE and HDPE at 50C° - immediate damage may occur. HDPE at 20C° shows some effect after 7 days of constant exposure.
Boric acid	LDPE and HDPE at 20C°-50C° show little or no damage after 30 days of constant exposure.
Bromine	LDPE and HDPE at 50C° - immediate damage may occur. HDPE at 20C° shows some effect after 7 days of constant exposure.
Butyric acid	LDPE and HDPE at 50C° - immediate damage may occur. HDPE at 20C° shows some effect after 7 days of constant exposure.
Calcium chloride	LDPE and HDPE at 20C°-50C° show little or no damage after 30 days of constant exposure.
Calcium hydroxide saturated	LDPE and HDPE at 20C°-50C° show little or no damage after 30 days of constant exposure.
Calcium sulphate	No data is available at this time.
Carbon tetrachloride	HDPE at 20C° shows little or no damage after 30 days. LDPE at 20C° and HDPE at 50C° show some effect after 7 days of constant exposure. LDPE at 50C° not recommended.
Chlorobenzene	Immediate damage may occur. Not recommended for continuous use.
Chloroform	HDPE and LDPE at 20C° show some effect after 7 days. At -50C° - immediate damage may occur. Not recommended for continuous use.
Chlorine 10% in water	HDPE and LDPE at 20C° shows little or no damage after 30 days. LDPE at 50C° shows damage and is not recommended.
Chromic acid 10%	LDPE and HDPE at 20C°-50C° show little or no damage after 30 days of constant exposure.
Chromic acid 50%	LDPE and HDPE at 20C°-50C° show little or no damage after 30 days of constant exposure.
Citric acid 10%	LDPE and HDPE at 20C°-50C° show little or no damage after 30 days of constant exposure.
Cresol	HDPE at 20C° shows some effect after 7 days. LDPE at 20C°-50C° and HDPE at 50C° show immediate damage and are not recommended for continuous use.
Cyclohexane	LDPE and HDPE at 50C° - immediate damage may occur. HDPE and LDPE at 20C° show some effect after 7 days of constant exposure.
Diethyl ketone	LDPE and HDPE at 20C°-50C° - damage may occur. Not recommended for continuous use.
Dimethylsulfoxide	LDPE and HDPE at 20C°-50C° show little or no damage after 30 days of constant exposure.
Ethanol 95%	LDPE and HDPE at 20C°-50C° show little or no damage after 30 days of constant exposure.

Dong Runze Special Vehicle DRZ tank lined LDPE Resistance Chart by Chemical

Ethyl acetate	LDPE and HDPE at 20C°-50C° show little or no damage after 30 days of constant exposure.
Ethyl benzene	HDPE at 20C° shows some effect after 7 days. LDPE at 20C°-50C° and HDPE at 50C° show immediate damage and are not recommended for continuous use.
Ethylene glycol	LDPE and HDPE at 20C°-50C° show little or no damage after 30 days of constant exposure.
Ethylene oxide	HDPE at 20C° shows little or no damage after 30 days of constant exposure. LDPE at 20C° and LDPE/ HDPE at 50C° show some effect after 7 days.
Ferric chloride	LDPE and HDPE at 20C°-50C° show little or no damage after 30 days of constant exposure.
Fluoride	LDPE and HDPE at 20C°-50C° show little or no damage after 30 days of constant exposure.
Fluorine	HDPE at 20C° shows little or no damage after 30 days of constant exposure. LDPE at 20C° shows some effect after 7 days. Neither HDPE or LDPE are recommended at 50C°.
Formaldehyde 10%	LDPE and HDPE at 20C°-50C° show little or no damage after 30 days of constant exposure.
Formaldehyde 40%	LDPE and HDPE at 20C°-50C° show little or no damage after 30 days of constant exposure.
Glycerol	LDPE and HDPE at 20C°-50C° show little or no damage after 30 days of constant exposure.
Heating oil	No further data is available at this time.
Hexane	HDPE at 20C° shows little or no damage after 30 days continuous use and at 50 C° shows some effect after 7 days. LDPE not recommended at any temperature.
Hydrochloric acid 5%	LDPE and HDPE at 20C°-50C° show little or no damage after 30 days of constant exposure.
Hydrochloric acid 20%	LDPE and HDPE at 20C°-50C° show little or no damage after 30 days of constant exposure.
Hydrochloric acid 35%	LDPE and HDPE at 20C°-50C° show little or no damage after 30 days of constant exposure.
Hydrocyanic acid	LDPE and HDPE at 20C°-50C° show little or no damage after 30 days of constant exposure.
Hydrofluoric acid	LDPE and HDPE at 20C°-50C° show little or no damage after 30 days of constant exposure.
Hydrofluoric acid 4%	LDPE and HDPE at 20C°-50C° show little or no damage after 30 days of constant exposure.
Hydrofluoric acid 48%	LDPE and HDPE at 20C°-50C° show little or no damage after 30 days of constant exposure.
Hydrogen peroxide 3%	LDPE and HDPE at 20C°-50C° show little or no damage after 30 days of constant exposure.
Hydrogen peroxide	LDPE and HDPE at 20C°-50C° show little or no damage after 30 days of constant exposure.
30% Isobutyl alcohol	LDPE and HDPE at 20C°-50C° show little or no damage after 30 days of constant exposure.
Isopropyl acetate	No data is available at this time.
Isopropyl alcohol	LDPE and HDPE at 20C°-50C° show little or no damage after 30 days of constant exposure.
Kerosene	LDPE and HDPE at 20C° show some effect after 7 days. HDPE and LDPE not recommended at 50C°, as immediate damage may occur.
Lactic Acid 10 %	LDPE and HDPE at 20C°-50C° show little or no damage after 30 days of constant exposure.
Lactic Acid 90	LDPE and HDPE at 20C°-50C° show little or no damage after 30 days of constant exposure.
% Lead acetate	LDPE and HDPE at 20C°-50C° show little or no damage after 30 days of constant exposure.
Metallic salts,	No data is available at this time.
dissolved Methanoic	No data is available at this time.
acid 100% Methanol	LDPE and HDPE at 20C°-50C° show little or no damage after 30 days of constant exposure.
Methyl ethyl ketone	Immediate damage may occur. Not recommended for continuous use.
Methyl propyl ketone	HDPE at 20C° shows some effect after 7 days. LDPE at 20C°-50C° and HDPE at 50C° - Immediate damage may occur. Not recommended for continuous use.
Methylene chloride	HDPE at 20C° shows some effect after 7 days. LDPE at 20C°-50C° and HDPE at 50C° - Immediate damage may occur. Not recommended for continuous use.
Mineral oil	LDPE and HDPE at 20C° show little or no damage after 30 days of constant exposure. LDPE at 50C° may show immediate damage and is not recommended.
n-amyl acetate	LDPE and HDPE at 20C° show little or no damage after 30 days of constant exposure. LDPE at 50C° shows some effect after 7 days or constant exposure.
n-butyl alcohol	LDPE and HDPE at 20C°-50C° show little or no damage after 30 days of constant exposure.
n-octane	LDPE and HDPE at 20C°-50C° show little or no damage after 30 days of constant exposure.
Nitric acid 50 %	LDPE at 20C° shows little or damage after 30 days. HDPE at 20C° and LDPE at 50C° show effect after 7 days. HDPE at 50C° shows immediate damage and is not recommended.
Nitric acid 70 %	HDPE and LDPE at 20C° show some effect after 7 days. Both at 50C° show immediate damage and are not recommended.
Oleic acid	HDPE at 20C°-50C° show little or no damage after 30 days of constant exposure. LDPE at 20C°-50C° shows immediate damage and is not recommended.
Oxalic acid	LDPE at 20C° shows some effect after 7 days. HDPE at 20C° and both HDPE and LDPE at 50C° show little or no damage after 30 days.
Ozone	HDPE and LDPE at 20C° show little or no damage after 30 days of constant exposure. HDPE and LDPE at 50C° show immediate damage and are not recommended.
Perchloric acid	HDPE and LDPE at 20C° show little or no damage after 30 days of constant exposure. HDPE and LDPE at

Dong Runze Special Vehicle DRZ tank lined LDPE Resistance Chart by Chemical

	50C° show immediate damage and are not recommended.
Perchloric	HDPE and LDPE at 20C°-50C° show immediate damage and are not recommended.
ethylene Phenol	HDPE and LDPE at 20C°-50C° show immediate damage and are not recommended.
Phosphoric acid 10%	LDPE and HDPE at 20C°-50C° show little or no damage after 30 days of constant exposure.
Phosphoric acid 85%	HDPE and LDPE at 20C° show little or no damage after 30 days of constant exposure. LDPE at 50C° shows immediate damage and is not recommended.
Phosphorous trichloride	HDPE and LDPE at 20C° show little or no damage after 30 days of constant exposure. LDPE at 50C° has no data available. HDPE at 50C° shows some effect after 7 days.
Potassium acetate	No data is available at this time.
Potassium bromide	No data is available at this time.
Potassium carbonate	LDPE and HDPE at 20C°-50C° show little or no damage after 30 days of constant exposure.
Potassium hydroxide 5 %	LDPE and HDPE at 20C°-50C° show little or no damage after 30 days of constant exposure.
Potassium hydroxide concentrated	LDPE and HDPE at 20C°-50C° show little or no damage after 30 days of constant exposure.
Potassium permanganate	LDPE and HDPE at 20C°-50C° show little or no damage after 30 days of constant exposure.
Propylene glycol Pyridine	LDPE and HDPE at 20C°-50C° show little or no damage after 30 days of constant exposure.
	Immediate damage may occur. Not recommended for continuous use.
Salicylic acid, saturated	LDPE and HDPE at 20C°-50C° show little or no damage after 30 days of constant exposure.
Silver acetate	LDPE and HDPE at 20C°-50C° show little or no damage after 30 days of constant exposure.
Silver nitrate	LDPE and HDPE at 20C°-50C° show little or no damage after 30 days of constant exposure.
Sodium carbonate	LDPE and HDPE at 20C°-50C° show little or no damage after 30 days of constant exposure.
Sodium chloride, saturated	LDPE and HDPE at 20C°-50C° show little or no damage after 30 days of constant exposure.
Sodium dichromate	LDPE and HDPE at 20C°-50C° show little or no damage after 30 days of constant exposure.
Sodium hydroxide 1%	LDPE at 20C°-50C° shows little or no damage after 30 days of constant exposure. HDPE at 20C°-50C° shows some effect after 7 days.
Sodium hydroxide 50%	LDPE and HDPE at 20C°-50C° show little or no damage after 30 days of constant exposure.
Sodium hypochlorite 15%	HDPE at 20C°-50C° show little or no damage after 30 days of constant exposure. LDPE at 20C° is suitable but at 50C° shows some effect after 7 days.
Sodium nitrate	LDPE and HDPE at 20C°-50C° show little or no damage after 30 days of constant exposure.
Sodium sulphate	LDPE and HDPE at 20C°-50C° show little or no damage after 30 days of constant exposure.
Sucrose	LDPE and HDPE at 20C°-50C° show little or no damage after 30 days of constant exposure.
Sulphide	No additional information is available at this time.
Sulfuric acid 6%	LDPE and HDPE at 20C°-50C° show little or no damage after 30 days of constant exposure.
Sulfuric acid 20%	LDPE and HDPE at 20C°-50C° show little or no damage after 30 days of constant exposure.
Sulfuric acid 60%	LDPE and HDPE at 20C°-50C° show little or no damage after 30 days of constant exposure.
Sulfuric acid 98%	LDPE at 20C°-50C° shows little or no damage after 30 days of constant exposure. HDPE at 20C° shoes effect after 7 days and is not recommended for use at 50C°.
Tannic acid	LDPE and HDPE at 20C°-50C° show little or no damage after 30 days of constant exposure.
Tetrahydrofuran	HDPE and LDPE at 20C° show some effect after 7 day of constant exposure.HDPE and LDPE at 50C° show immediate damage and are not recommended.
Toluene	LDPE at 20C° show some effect after 7 day of constant exposure. HDPE at 20C°-50C° and LDPE at 50C° show immediate damage and are not recommended.
Trichloracetic acid	HDPE and LDPE at 20C° show some effect after 7 day of constant exposure.HDPE and LDPE at 50C° show immediate damage and are not recommended.
Trichlorethane	Immediate damage may occur. Not recommended for continuous use.
Turpentine oil	HDPE and LDPE at 20C° show some effect after 7 day of constant exposure. HDPE and LDPE at 50C° show immediate damage and are not recommended.
Urea	LDPE and HDPE at 20C°-50C° show little or no damage after 30 days of constant exposure.
Xylene	HDPE at 20C° shows some effect after 7 day of constant exposure. LDPE at 20-50C° and HDPE at 50C° show immediate damage and are not recommended.
Zinc chloride	LDPE and HDPE at 20C°-50C° show little or no damage after 30 days of constant exposure.

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