32 Park Street
PO Box 40-924
Upper Hutt

Chemical Compatibility Chart

✔ Good to Excellent with little or no swelling, surface effects or loss of physical properties.
◐ Marginal or Conditional. Effects whilst noticeable may not affect properties or serviceability. Testing for specific applications is recommended. Long term effects such as hardening or potential for crazing should be evaluated.
▬ Poor or Unsatisfactory. Not recommended without extensive, realistic testing.
✖ Not suitable. Soluble or attacked after brief contact.
? Test results not available.
NB: These chemical resistances are based on normal ambient temperature (20°C). Elevated temperatures can significantly decrease the chemical resistance from that indicated.

Product / Chemical	Food, Air & Industrial - Ledathene Formula F45	Fuel & Oil - Ledalon 12 Formula N12	High Pressure - Ledalon 11 Formula N11	Airflex Formula A70
Acetaldehyde	✔	✔	✔	▬
Acetamide	✔	✔	✔	?
Acetic Acid 50%	✔	▬	▬	◐
Acetic Anhydride	▬	◐	◐	?
Acetone	▬	✔	✔	✖
Allyl Alcohol	✔	◐	◐	?
Aluminium Salts	✔	✔	✔	✔
Ammonia	✔	✔	✔	✔
Ammonium Salts	✔	✔	✔	✔
Amyl Acetate	✔	◐	◐	◐
Aniline	✔	◐	◐	▬
Aqua Regia	▬	✖	✖	?
Benzaldehyde	✔	◐	◐	◐
Benzene	▬	✔	✔	▬
Benzoic Acid	✔	◐	◐	?
Benzyl Alcohol	▬	▬	▬	▬
Butyl Acetate	✔	✔	✔	◐
Butyl Alcohol	✔	◐	◐	▬
Butyric Acid	▬	✔	✔	?
Carbon Disulphide	▬	✔	✔	◐
Carbon Tetrachloride	◐	◐	◐	▬
Chlorine 5% in Water	◐	◐	◐	◐
Chlorine 5% in Air	◐	◐	◐	▬
Chloroacetic Acid	✔	✖	✖	▬
Chlorobenzene	▬	▬	▬	◐
Chloroform	▬	▬	▬	▬
Chromic Acid	✔	▬	▬	▬
Cresol	▬	✖	✖	▬
Cyclohexane	◐	✔	✔	?
Cyclohexanone	▬	✔	✔	✖

Product / Chemical	Food, Air & Industrial - Ledathene Formula F45	Fuel & Oil - Ledalon 12 Formula N12	High Pressure - Ledalon 11 Formula N11	Airflex Formula A70
Diethyl Ether	▬	✔	✔	?
Dioxane	✔	✔	✔	?
Ether	▬	✔	✔	▬
Ethyl Acetate	✔	✔	✔	◐
Ethyl Alcohol	✔	✔	✔	▬
Ethylene Chloride	✔	◐	◐	▬
Ethylene Glycol	✔	✔	✔	◐
Formaldehyde 40%	✔	◐	◐	▬
Formic Acid 40%	✔	▬	▬	▬
Formic Acid 85%	✔	▬	▬	▬
Fuel Oil	◐	✔	✔	◐
Glycerine	✔	✔	✔	◐
Heptane	◐	✔	✔	?
Hexane	▬	✔	✔	✔
Hydrochloric Acid 1%	✔	◐	◐	◐
Hydrochloric Acid 10%	✔	▬	▬	▬
Hydrogen Peroxide 30%	✔	✖	✖	✔
Isopropyl Alcohol	✔	◐	◐	▬
Kerosene	◐	✔	✔	◐
Lactic Acid 85%	✔	◐	◐	✔
Methyl Alcohol	✔	◐	◐	▬
Methyl Ethyl Ketone	▬	✔	✔	✖
Methylene Chloride	◐	▬	▬	▬
Mineral Oil	✔	✔	✔	✔
Nitric Acid 10%	✔	✖	✖	▬
Nitric Acid 70%	◐	✖	✖	✖
Nitrobenzene	▬	◐	◐	▬
Nitromethane	▬	✔	✔	?
Octane	✔	✔	✔	◐
Ozone	◐	▬	▬	▬

Product / Chemical	Food, Air & Industrial - Ledathene Formula F45	Fuel & Oil - Ledalon 12 Formula N12	High Pressure - Ledalon 11 Formula N11	Airflex Formula A70
Perchloethylene	▬	✔	✔	▬
Petrol	◐	✔	✔	◐
Phenol liquid	▬	▬	▬	▬
Phosphoric Acid 10%	✔	◐	◐	✖
PotassiumHydroxide50%	✔	✔	✔	▬
Propane Gas	▬	✔	✔	◐
Resorcinol	✔	✖	✖	?
Silicone Oil	✔	✔	✔	✔
Silver Nitrate	✔	✔	✔	✔
Sodium Hydroxide 40%	✔	✔	✔	▬
SodiumHypochlorite15%	✔	▬	▬	▬
Sulphuric Acid 2%	✔	◐	◐	◐
Sulphuric Acid 20%	✔	▬	▬	▬
Sulphuric Acid Pure	◐	▬	▬	✖
Tartaric Acid	✔	✔	✔	?
Tetrahydrofuran	◐	✔	✔	✖
Thionyl Chloride	▬	✖	✖	?
Toluene	◐	✔	✔	▬
Trichloroethylene	▬	◐	◐	▬
Urea	✔	✔	✔	✔
Water	✔	✔	✔	◐
Xylene	◐	✔	✔	▬

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Product / Chemical	Bevpure Formula B50	Lab Formula L60	Ultrachem Formula U80	Chemflex Formula C20	Easyflow Formula E99
Acetaldehyde		◐	✔	✔	⊟
Acetamide		?	?	✔	⊟
Acetic Acid 50%		◐	✔	✔	◐
Acetic Anhydride		◐	✔	✔	⊟
Acetone	✔	◐	✔	◐	✖
Allyl Alcohol		✔	✔	✔	✔
Aluminium Salts		✔	✔	✔	✔
Ammonia		✔	✔	✔	✔
Ammonium Salts		✔	✔	✔	✔
Amyl Acetate		✖	✔	✔	⊟
Aniline		✖	✔	✔	⊟
Aqua Regia		✖	✔	✖	⊟
Benzaldehyde		◐	✔	◐	⊟
Benzene		✖	✔	✖	⊟
Benzoic Acid		✔	✔	✔	✔
Benzyl Alcohol		?	✔	◐	◐
Butyl Acetate	✔	✖	✔	◐	⊟
Butyl Alcohol		✔	✔	◐	◐
Butyric Acid		✖	✔	✔	⊟
Carbon Disulphide		✖	✔	✖	⊟
Carbon Tetrachloride		✖	✔	✖	⊟
Chlorine 5% in Water		◐	✔	✔	◐
Chlorine 5% in Air		✖	✔	✔	✔
Chloroacetic Acid		?	✔	✔	⊟
Chlorobenzene		✖	✔	✖	⊟
Chloroform	◐	✖	✔	✖	⊟
Chromic Acid		◐	✔	✔	✔
Cresol		✖	✔	?	⊟
Cyclohexane		◐	✔	✖	⊟
Cyclohexanone		✔	✔	✖	✖

Product / Chemical	Bevpure Formula B50	Lab Formula L60	Ultrachem Formula U80	Chemflex Formula C20	Easyflow Formula E99
Diethyl Ether		✖	✔	◐	⊟
Dioxane		?	✔	?	◐
Ether		✖	✔	⊟	⊟
Ethyl Acetate	✔	◐	✔	⊟	⊟
Ethyl Alcohol	✔	◐	✔	⊟	◐
Ethylene Chloride		✖	✔	✖	⊟
Ethylene Glycol		✔	✔	✔	◐
Formaldehyde 40%		✔	✔	?	◐
Formic Acid 40%		✔	✔	✔	◐
Formic Acid 85%		◐	✔	✔	⊟
Fuel Oil		✖	✔	⊟	⊟
Glycerine		✔	✔	✔	◐
Heptane		✖	✔	⊟	⊟
Hexane	◐	?	✔	⊟	⊟
Hydrochloric Acid 1%		✔	✔	✔	◐
Hydrochloric Acid 10%		✔	✔	✔	✔
Hydrogen Peroxide 30%		✔	✔	✔	✔
Isopropyl Alcohol		✔	✔	◐	✔
Kerosene		✖	✔	✖	⊟
Lactic Acid 85%		✔	✔	✔	✔
Methyl Alcohol		✔	✔	✔	◐
Methyl Ethyl Ketone	✔	◐	✔	◐	✖
Methylene Chloride		✖	✔	✖	⊟
Mineral Oil		◐	✔	✔	⊟
Nitric Acid 10%		◐	✔	✔	✔
Nitric Acid 70%		✖	✔	✖	⊟
Nitrobenzene		✖	✔	◐	⊟
Nitromethane		?	✔	✔	⊟
Octane		?	✔	?	⊟
Ozone		✖	✔	✔	✔

Product / Chemical	Bevpure Formula B50	Lab Formula L60	Ultrachem Formula U80	Chemflex Formula C20	Easyflow Formula E99
Perchloethylene		?	✔	✖	⊟
Petrol	✖	✖	✔	⊟	⊟
Phenol liquid		✖	✔	✔	◐
Phosphoric Acid 10%		✔	✔	✔	✔
Potassium Hydroxide 50%		✔	✔	✔	✔
Propane Gas		✖	✔	?	◐
Resorcinol		?	?	✖	⊟
Silicone Oil		✔	✔	⊟	✔
Silver Nitrate		✔	✔	✔	✔
Sodium Hydroxide 40%		✔	✔	✔	✔
Sodium Hypochlorite 15%		✔	✔	✔	◐
Sulphuric Acid 2%		◐	✔	✔	✔
Sulphuric Acid 20%		◐	✔	✔	✔
Sulphuric Acid Pure		✖	✔	◐	⊟
Tartaric Acid		✔	✔	✔	✔
Tetrahydrofuran		✖	✔	◐	✖
Thionyl Chloride		✖	✔	◐	⊟
Toluene	✖	✖	✔	✖	⊟
Trichloroethylene		✖	✔	✖	⊟
Urea		✔	✔	✔	✔
Water	✔	✔	✔	✔	✔
Xylene		✖	✔	✖	⊟