

**Chemical Resistance Data**

※The following table should be referred to select a hose for a specific working fluid.

◎=Excellent, can be used without problems.

○=Good, may be affected to some extent, but can be used under general conditions.

△=Fair, need to verify suitability.

×=Poor, cannot be used.

	Product	Soft PVC	Polyolefin	Silicon Rubber	Fluoride Polymer (ETFE)
		TOYORON SUPER TOYORON TOYOSIGNAL TOYOSPRING TOYORING	ECORON ECORON-S (Inner layer)	TOYOSILICONE TOYOSILICONE-S TOYOSILICONE-P	TOYOFUSSO TOYOFUSSO-E (Most Inner layer)
	Chemical Name				
C	C (ASTM standard fuel)		△	×	
	Calcium acetate	◎	◎		
	Calcium bisulfite		◎	○	
	Calcium chloride	◎	◎	◎	◎
	Calcium hydroxide	◎	○	○	◎
	Calcium hypochlorite		◎	○	◎
	Calcium nitrate	◎	◎		◎
	Calcium sulfide	◎		○	
	Carbitol			◎	
	Carbon dioxide	◎	◎	◎	◎
	Carbon dioxide (carbonic acid gas)	◎	◎	◎	◎
	Carbon disulfide	×	×	△	◎
	Carbon monoxide				◎
	Carbon tetrachloride	×	×	×	◎
	Carbonic acid	○	○	×	◎
	Castor oil	△	◎	×	
	Caustic soda (Sodium hydroxide) 30% 70°C	×	×		◎
	Caustic soda (Sodium hydroxide) 30% RT	△	◎		◎
	Cellosolve	×	△		◎
	Cellosolve acetate			○	
	China wood (tung) oil	△	○	×	
	Chlorinated solvent	×		×	
	Chlorine gas (dry)	△	△		◎
	Chlorine gas (wet)		△		◎
	Chlorine liquid	×	×		
	Chloro naphthalene			×	
	Chloroacetic acid				◎
	Chloroacetone		△	×	
	Chlorobenzene	×	△	×	◎
	Chloroform	×	×	×	◎
	Chlorosulfonic acid	×	×	×	◎
	Chlorotoluene	×	△	×	
	Chromic acid [ 2% 50°C ]	△	△	△	◎
	Chromic acid [ 2% 70°C ]	△	×	△	◎
	Chromic acid 5% 70°C	△	×	△	◎
	Chromic acid 10% 70°C	△	×	△	◎
	Chromic acid 25% 70°C	△	×	△	◎
	Citric acid	○	◎	◎	◎
	Coconut oil	△	○	△	
	Copper chloride	○	◎	◎	◎
	Copper cyanide	△	◎	◎	◎
	Corn oil	△	○	△	
	Cotton seed oil		○	△	
	Creosote oil	×		×	
	Cresol	△	○	△	◎
	Cyclohexane		△	×	◎
	Cyclohexanol	×	○		◎
Cyclohexanone	×	△	△	◎	