

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				
	Salad oil				◎
	Salicylic acid	◎	◎		◎
	Salt	◎	◎		◎
	Salt water		◎	◎	
	Sea water				◎
	Silicon grease	△	○	△	
	Silicon oil	△	○	△	
	Silicon tetrachloride (55°C)				◎
	Silver nitrate	○	◎		◎
	Soap solution	◎	◎	◎	
	Soda ash (Sodium carbonate)	◎	◎	◎	◎
	Sodium bisulfite		◎	◎	
	Sodium carbonate (soda ash)	◎	◎	◎	◎
	Sodium cyanide	◎	◎	◎	
	Sodium hydrogen carbonate		◎	◎	
	sodium hydrogen sulfite		◎	◎	
	Sodium hydroxide (caustic soda) [30% 70°C]	×	×		◎
	Sodium hydroxide (caustic soda) [30% RT]	△	◎		◎
	Sodium hypochlorite [30% RT]		○	○	
	Sodium hypochlorite [5% 70°C]	△	×	○	◎
	Sodium hypochlorite [5% RT]	○	○	○	◎
	Sodium nitrate	◎	◎		◎
S	Sodium perborate		◎	○	
	Sodium peroxide	○	◎	△	◎
	Sodium phosphate	○	◎	◎	
	Sodium silicate				◎
	Sodium sulfate (Glauber's salt)	○	◎	◎	
	Sodium tetraborate (borax)	△	◎	◎	◎
	Sodium thiosulfate	◎	◎	◎	◎
	Soy bean oil	△	○	△	
	Steam	×	○	×	◎
	Stearic acid	○	◎	△	◎
	Styrene	×	○	×	
	Sulfur	○	◎	◎	◎
	Sulfuric acid 10 % 70°C	×	×		
	Sulfuric acid 10 % RT	◎	◎		
	Sulfuric acid 30 % 70°C	×	×	○	
	Sulfuric acid 30 % RT	○	◎	○	
	Sulfuric acid 98 % 70°C	×	×	×	◎
	Sulfuric acid 98 % RT	×	○	×	
	Sulfuric acid Fuming RT	×		×	
	Sulfurous acid				◎
	Sulfurous acid gas	○	◎	○	◎
	Sulfurous acid natrium	○	◎	○	◎
	Sulfurous acid10% RT			○	