

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 same 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				
P	Palmitic acid	△	○	×	◎
	Perchloric acid	△	△	×	◎
	Petroleum			×	
	Phenol	×	◎	◎	◎
	Phenylhydrazine	×			◎
	Phosphoric acid 50 % 70°C	△			◎
	Phosphoric acid 50 % RT	◎	◎	◎	◎
	Phosphoric acid 75 % RT	○	◎		◎
	Phosphoric acid 85 % 70°C				◎
	Phosphorus oxychloride (70°C)				◎
	Phosphorus trichloride				◎
	Phthalic acid (70°C)				◎
	Picric acid	×	△	×	◎
	Pine oil	×	○		
	Pinene			×	
	Potassium chloride	◎	◎	◎	◎
	Potassium cyanide	◎	◎		
	potassium dichromate 10% RT	◎	◎	◎	
	Potassium hydroxide	◎	○	△	
	Potassium hydroxide 20% 70°C				◎
	Potassium nitrate	○	◎		◎
	Potassium permanganate 5%	○	◎		◎
	Potassium sulfate	◎	◎	◎	
	Propane	◎	◎	△	
	Propyl acetate		△	△	
	Propyl alcohol		○	○	◎
	Propylene	△	△		
	Propylene oxide				◎
	Pyridine	×			◎