

**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					
N	Naphtha	△	△	△	◎	
	Naphthalene	○	△	×	◎	
	Naphthenic acid	○	◎			
	Natural gas	◎	○	○	◎	
	n-Dibutylamine				◎	
	Nickel acetate	○	◎			
	Nickel chloride	◎	◎	◎	◎	
	Nickel sulfate	◎	◎	◎		
	Nikawa (Collagen based glue)		◎	◎		
	Nitric acid [10% 70°C]	×	×			
	Nitric acid 10% RT	○	◎	○	◎	
	Nitric acid 30% RT	△	○		◎	
	Nitric acid 61.3% RT	×	○	×	◎	
	Nitric acid Fuming RT	×	×	×		
	Nitrobenzene	×	×	×	◎	
	Nitroethane		×	△		
	Nitrogen	◎	◎	◎		
	Nitromethane		×	△		
	Nitropropane		×	△		
	n-Methylaniline				◎	
	n-Methylpyrrolidone(40°C)				◎	
	No.1 (ASTM oil)		○	×		
	No.2 (ASTM oil)		○	×		
	No.3 (ASTM oil)		○	×	◎	
	O	Octane (70°C)				◎
		Octene (70°C)				◎
Octylalcohol				○		
Oleic acid		×	○	×	◎	
Olive oil		△	○	△		
Oxalic acid		○	◎	○	◎	
Oxygen		◎	○	◎	◎	
Ozone	○	△	◎	◎		