Chemical Resistance Data [Couplings]

▲ Notes for use of Chemical Resistance Data (Hoses/Couplings/KAMLOK/Gasket)

(1) This table is based on documents concerning the resistance of the materials used in hoses and couplings to various chemicals, and does not guarantee TOYOX products.
(2) The data may differ according to the conditions such as usage methods, temperature, pressure, concentration and period, etc., so evaluate results as the user with the actual equipment and usage conditions.
(3) Chemicals which are dangerous when permeating (active gases, etc.) should not be used in gaseous form. Be sure to confirm the precautions for each product or to consult TOYOX. Regarding the use of fluids not indicated in the Chemical Resistance Data, consult our website at http://english.toyox-hose.com/.

(4) This data may be amended or added to based on changing product specifications or new information; check the TOYOX website for the latest data.

\bigcirc = Excellent, can be used without problems.

- Good, may be affected to some extent, but can be used under general conditions.
- $\triangle = \overline{F}$ air, need to verify suitability.
- \times = Poor, cannot be used.

Cyclohexane

Cyclohexanol

Cyclohexanone (Anone)

— = No data

▲ Caution The following tables are intended to serve only as your reference of materials, and are not intended to guarantee our products. Evaluate results as the user with the actual equipment and usage conditions.

Coupling fluid contact surface Brass **NBR** PPSU SCS16A/SUS316L SCS13/SUS304 ^oolyacetal resin Material Chemical (Concentration density % / Temperature °C) C (ASTM standard fuel) 0 \bigcirc \bigcirc \bigcirc \triangle С Calcium acetate \triangle \triangle \bigcirc \triangle Calcium bisulfite \times \triangle \triangle Calcium chloride \triangle \triangle 0 0 \bigcirc Calcium hydroxide \triangle \triangle \land \bigcirc \bigcirc \bigcirc Calcium hypochlorite (High-test hypochlorite) [20%] \times \triangle 0 Calcium nitrate Calcium sulfide _ \triangle \triangle \bigcirc _ Carbitol \triangle \triangle _ \triangle Carbon dioxide (Carbonic acid gas) \bigcirc 0 0 \bigcirc \bigcirc Carbon disulfide 0 \bigcirc \bigcirc × × × \triangle \triangle \triangle \bigcirc \triangle Carbon tetrachloride × Carbonic acid \bigcirc \triangle \triangle \bigcirc Carbonic acid gas (Carbon dioxide) 0 0 \bigcirc 0 Castor oil \triangle \triangle Caustic potash (Potassium hydroxide) \triangle \triangle \triangle \bigcirc \bigcirc \bigcirc Caustic soda (Sodium hydroxide) [30%] \triangle \bigcirc _ \triangle _ Caustic soda (Sodium hydroxide) [30% 70°C] \bigcirc \triangle \triangle \bigcirc Cellosolve \wedge \wedge \wedge \wedge X Cellosolve acetate × Chlorinated solvent Х Chloroacetic acid Chlorobenzene (Monochlorobenzene) X Х Х Chloroform \triangle \triangle \times \times \triangle \times Chloronaphthalene \times Chlorosulfonic acid \triangle \bigcirc × \times X X Chlorotoluene X × Chromic acid [2% 50℃] \triangle 0 X × Chromic acid [2% 70°C] \times \triangle × × × Chromic acid [5% 70℃] \times \triangle × × X Chromic acid [10% 70°C] × \triangle × \times \times Chromic acid [25% 70℃] X \triangle × × \times Citric acid \triangle \bigtriangleup \triangle \bigcirc \bigcirc \triangle Coconut oil \triangle \triangle \bigcirc 0 0 \bigcirc Copper chloride _ \bigcirc \bigcirc \bigcirc Corn oil Х Cotton seed oil 0 0 \triangle \bigcirc Creosote oil 0 \wedge \triangle Cresol \wedge \triangle \wedge × ×

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As of November 2018