



Precautions to ensure safe usage

The precautions given below are intended to ensure safe and correct use of the products.
Note that certain restrictions apply to use of these products. Failure to observe these could result in injury or property damage.

 Warning	A potentially hazardous situation which could result in death or serious injury.
 Caution	A dangerous situation which could result in minor or medium injury and/or in which only property damage is foreseen.

 **Warning** TOYOX products have been developed and manufactured for general industrial applications.

For applications that require safety, confirm in advance.

Never use for implant or injection application or other applications where there is a possibility of the product partially remaining in the body.

ToyoX makes no guarantee of the adaptability or safeness related to such applications.

Please read the Handling Precautions carefully before use.

Note: See the terminology glosses on our website for words marked with a ※.

Food-Grade Roller Pump Tube ECOFOODS PVC

① Notes for using the hoses

- You can use the hose for water, drinking water, foods, oil, chemical. But when using the product in oil, chemicals form, refer to the information on chemical resistance provided on the company website, or inquire directly to the company via the Inquiries page.
※ <https://www.toyoX.co.jp>
※ Do not use the hose for fuel oil (heavy oil, light oil, kerosene, gasoline) or solvents-based oils.
- Leaving fluid in the tube may result in resin odor being transferred to the fluid, leading to undesirable conditions. Be sure to check usability before use.
- Be sure to clean the inside of the tube before use with drinking water or food products.
※ Clean the hose with hot water (less than 80°C centigrade) for less than 30 minutes at a pressure lower than 0.1MPa.
- Always use a hose within a range of temperature.
- Do not use the tube below the minimum bending radius. Using the tube below the minimum bending radius will result in the tube becoming bent, thereby reducing the pressure resistance.
- Do not allow fluid (food, etc.) to contact any part other than the inner surface of the tube. Contamination of dust and printed ink on the outer surface may occur.
- Do not store outdoors or in direct sunlight. Doing so may degrade the quality of the tube surface, causing problems such as stickiness and cracking.
- Keep hose away from exposed light fixtures.
- The service life of the tube is greatly affected by the physical properties of the fluid, temperature, flow rate, and frequency of pressurization and decompression. If you observe any of the following abnormalities or signs during the pre-work inspection or regular inspection, immediately discontinue use and repair or replace the tube with a new one.
 - Problem with a hose around fitting : iLocalized stretch, curvature, leakage or expansion, or less deep insertion into nipple.
 - Presence of external scratches : iScratches, cracks, or submergence on the exterior surface
 - Internal damage : internal swelling, peeling, or friction damage(Note) If the inner surface is abnormal, there is a risk of contamination of the fluid with flakes from the tube.
 - Other damage such as hardening, swelling, cracks, expansion, etc.
- Store the tube so that dirt, dust, and other foreign substances do not enter the tube.
- Do not store the hose in direct contact with other PVC products or in the vicinity of rubber products.
- Use an appropriate tube nipple for the tube size. Ensure that nipples are free of surface damage and rust.
- Do not overtighten when fastening with wire or similar means.
- Do not use push-type tube fittings.
- Do not incinerate the hose. Used hose should be disposed of as industrial waste. Note that incineration of the product may cause damage to incineration facilities or generate toxic gases.
- The hose should be disposed of in accordance with the requirements of the local region.
- Suction may be insufficient at low speeds or when conveying high-viscosity fluids for some roller pumps. Be sure to check usability before use. Take appropriate measures to counter insufficient suction, including filling the tube with fluid beforehand.
- Do not reuse tubes with creases (signs of bending).
- Follow the roller pump installation procedure instructions when installing tubing, and ensure that the tubing is not twisted.