

Processed Product for Food Contact Materials and Packaging Materials

Application Number: Food contact materials and packaging materials (Annex E.2.3)

Materials used in this product is PTFE (CAS NO: 9002-84-0), PFA (CAS NO: 26655-00-5), and PVDF (CAS NO:24937-79-9).

Subject to use: Packings used in wetted parts of fluid control equipment and joints of piping in the food manufacturing process. It is also used in a wide range of applications for, e.g., parts that require non-adhesiveness to, for instance, bread dough. (general fluoro-resin processed products such as flow meters, cutting bellows, food rollers, pipes, hoses, tubes, seals, gaskets, packings, valves, pump parts, sliding parts of plungers, and diaphragms, piping, vessels, pumps, valve lining, and the like)

Chemical Solution to use: Water, cooking oil, seasoning liquid, liquid egg

Usage Environment: -18°C or less to +200°C

Use Conditions: Must not affect food. Minimal degradation over time due to the use environment, including ultraviolet rays. Must have heat resistance, chemical resistance, oil resistance, durability, and corrosion resistance. Must maintain non-adhesiveness to food and the like.

For food applications, fluoro-resin is required to especially have purity, heat resistance, and non-adhesiveness (mold-releasing property), and fluoro-resin with high reliability relative to these requirements is widely used in the food manufacturing process. Therefore, fluoro-resin used for food contact materials is often made of materials compliant with Japan's Food Sanitation Law.

Parts per se must not degrade over time without affecting food when in contact with various chemical solutions, and required to satisfy conditions for use in harsh environment such as high temperatures of 200°C and delivery of pressurized water (fluid). Therefore, it cannot be easily substituted with other rubber materials.

In 2022, sales of food machinery reached 590 billion yen *1) in Japan alone. Fluoro-resin processed products are used in a wide range of food manufacturing machinery, and if fluoro-resin becomes a subject of PFAS regulations, it would cause significant losses

on a global scale.

In light of the above, we request a regulatory exemption of it from subjects of PFAS regulations.

Reference

11) Cited from the 2022 Food Machinery Survey and Statistics (Japan Food Machinery Manufacturers' Association)