



Ecology tackled from raw materials and containers

GLASEL Eco-Friendly Project vol.3

Eco-friendly materials **Recycled PET**

This material is produced 100% by recycling beverage PET bottles. The recycling of PET resin is growing global trend. GLASEL also supports the recycling of PET bottles into new PET bottles to make efficient use of existing resources without using new raw materials.

■ How PET is Recycled

Collected beverage PET bottles undergo a separation process to remove the caps and labels, followed by cleaning to remove contaminants from the surface. Impurities adsorbed into the resin are thoroughly removed under vacuum and high temperature. The recovered resin has the same purity and functionality as virgin resin.

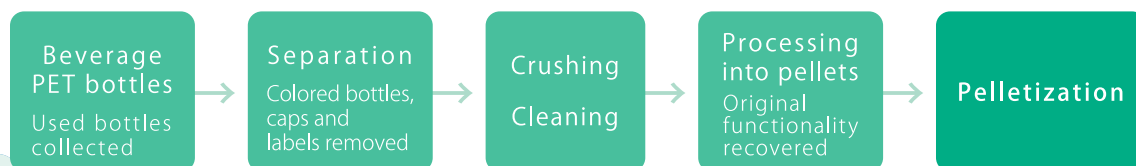
* GLASEL uses resin produced by equipment that meets the standards of the Food and Drug Administration, an internationally recognized specialized agency.



Reduced CO2 Emissions

By using recycled PET, the pellet production process reduces CO2 emissions by approximately 30% compared with using virgin PET material.

Manufacturing Process



Compatible with Conventional Molding Process

Recycled PET can be molded using conventional PET molding machines and molds.

- For recycled materials, it is recommended to blend with the current resin. Please always build prototypes.
- Unlike conventional PET, which is colorless and transparent, recycled PET is transparent with a yellow tinge.

Material Codes

The material code for this material is "PET."

INFORMATION

● Please contact us for details.

GLASEL Eco-Friendly Project will be continued developing. It will be featured in another issue vol.4.