Under the 3R policy (Reduce, Reuse, Recycle), Japan has been collecting PET bottles, food trays, and cans separately for reuse as recycle resources in the manufacturing of new products. PET bottles are collected in accordance with the Act on the Promotion of Sorted Collection and Recycling Containers and Packaging, and they are used to make a variety of textile products, etc. Relatively high-grade PET bottles are collected and remade into PET bottles or carpets with the high technology possessed by Japan.

### Collection of PET bottles and handing them over to reproduction contractors

The collected bottles are cleaned, and caps and labels taken off to improve their quality. The bottles are then compressed, bound and passed on to reproduction contractors.

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**Examples of products made from recycled PET resin**

- **Collected PET bottles**
- **Flake**
- **Pellet**

**Examples of material recycling (PET bottle)**

Many products are made from flakes and pellets. They are used to make PET sheets, resin products or remade into PET bottles.

- **Recycled uniform**
- **Spun yarn**
- **Fiber**

**Recycled products**

1. Textiles: Suits, shirts, carpets, etc.
2. Bottles: Bottles for detergents, cosmetic containers, etc.
3. Sheets: Paper packs and cases, partitions in boxes, etc.
4. Other: Stationery, containers, etc.

**Valued transparent PET resin** is sorted and extracted for raw resin. Residual plastic is used for chemical recycling. Water discharged during processing is purified to prevent water pollution.

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**Collection and recycling to make diverse products**

PET bottles at collection → Sorting → PET bottles when delivered to recycling operators

- **Removal of foreign matters from PET bottles**
  - Separable bale
  - Transparent bottles

- **Effluent treatment equipment**
  - Washer
  - Dehydrator
  - PET flake

- **Recycled products**
  - (1) Textiles: Suits, shirts, carpets, etc.
  - (2) Bottles: Bottles for detergents, cosmetic containers, etc.
  - (3) Sheets: Paper packs and cases, partitions in boxes, etc.
  - (4) Other: Stationery, containers, etc.

**Examples of products made from recycled PET resin**

- **Recycled uniform**
- **Spun yarn**
- **Fiber**

**Cotton work gloves and bags**

Source: The Council for PET Bottle Recycling