

## Action for a Plastic-free Society

The Oji Group has set forth its Environmental Vision 2050, with "Net Zero Carbon" and "Harmony with Nature" at its core, and its Environmental Action Program 2030 as a milestone, and is also promoting initiatives for plastic resource circulation.

In the field of packaging materials, one of the Group's core businesses, we have contributed to a reduction of approximately 3,000 tons of plastic in society as a whole by FY2022 through the replacement of plastic products with environmentally friendly paper products. Going forward, we aim to expand sales by approximately 5,000 tons by FY2030, thereby contributing to the transition to a plastic-free society.

We are also working to recycle waste plastic as part of our efforts to comply with the Act on Promotion of Resource Circulation for Plastics. More than 90% of the waste plastic discharged from our group is derived from plastic mixed with recovered paper, the raw material for paper and paperboard. Each of our manufacturing bases has been actively and effectively using this waste plastic, and in FY2022, approximately 98% of it was recycled (including thermal recycling). We plan to achieve a 100% recycling rate by FY2030.

### 1. Examples of environmentally friendly paper products

As recycling for the future, we aim to reduce the amount of plastic used in society as a whole by promoting the expansion of sales of renewable eco-friendly products, such as the conversion of plastic packaging into paper.

(1) Bourbon Corporation

Paper packaging for confectionery

<https://solution.ojiholdings.co.jp/ojipaperpackage/casestudy-4/>



(2) MITSUBISHI PENCIL COMPANY, LIMITED

Paper blister packs are used for ballpoint pen packages

<https://www.ojiholdings.co.jp/Portals/0/resources/content/files/news/2022/JP01pE19.pdf>



(3) Calbee, Inc.

Paper packaging for confectionery



(4) Oji Nepia Co., Ltd.

Paper packaging for kitchen towels and toilet roll exterior

[https://enepia.com/pages/index.php?page\\_url=nepieco\\_product](https://enepia.com/pages/index.php?page_url=nepieco_product)



(5) Oji F-Tex Co., Ltd.

Paper mulch sheet for agriculture "OJI Sustainable Mulching Sheet"

**【Features】**

- Environmentally friendly products made from planted trees
- No need for collection after harvest due to soil decomposition
- Aeration effect suppresses rise in soil temperature, ideal for summer crops



(6) NAKABAYASHI CO.,LTD.

"SILBIO Barrier" is used for confectionery packaging



環境にやさしい紙ノパッケージになりました  
この袋はシルビオバリアを使用しています  
プラスチック素材に替わりリサイクル可能な紙素材です  
紙に付与した特殊なバリアコート層で、香りや風味をのがしません

(7) Wakuden Inc.

"SILBIO Clear" is used for packaging for Japanese confectionery



(8) Kokusai Kogyo Company Limited

Biomass slippers using "Kinarito LEAF" are adopted



木材パルプを主成分にした環境配慮型のスリッパです(生地は80%以上が植物由来)  
素材には王子キノクロス社のキナリトLEAFを使用しています  
仁石資源工業プラスチックの活用と、製造時や使用時に温室効果ガスとなるCO2排出量の抑制を目指しています

[Reference] Reduction of CO<sub>2</sub> emissions by the introduction of paper packages

<https://solution.ojiholdings.co.jp/ojipaperpackage/sustainability/>

## 2. Results for FY2022

In FY2022, the amount of waste plastic discharged from our group's manufacturing sites was 75,684 tons. Approximately 98%, or 73,798 tons, were recycled (including thermal recycling). The amount of unrecycled waste plastic was 1,886 tons.

Table. Targets, Emissions, Amount Recycled, etc., and Actual Sales of Renewable eco-friendly products for the 10 High Emitters\*<sup>1</sup> in FY2022

Unit: tonnage in presence, [ ]: total emission ratio

	FY2021	FY2022	FY2030 (Target)
Total amount of waste plastic discharged	74,426	75,684	
(Amount of recycled paper mixed in as raw material)	(67,696)	(68,984)	
<b>Amount recycled, etc.</b>	<b>69,678 [94%]</b>	<b>73,798 [98%]</b>	<b>[100%]</b>
(of which material and chemical recycling)	(804)	(763)	
<b>Unrecycled amount</b>	<b>4,749 [6%]</b>	<b>1,886 [2%]</b>	<b>[0%].</b>
<b>Sales of renewable eco-friendly products</b>	<b>1,904</b>	<b>3,312</b>	<b>5,000 or more</b>

\*1 Oji Paper, Oji Materia, Oji F-Tex, Oji Nepia, Oji Imaging Media, Oji Container, Morishigyo, Oji Tac, Chuetsu, and New Tac Kasei

## 3. Details of efforts as a specified plastic product provider

Grand Hotel New Oji, a provider of specified plastic-using products, has set rationalization targets for 12 specified items and is striving to reduce them, with the aim of contributing to the preservation and sound development of the living environment.

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