Key sustainability data

FY2024 results

Planet

Data aggregation period: (Domestic) April 1, 2023, to March 31, 2024 (Overseas) January 1, 2023, to December 31, 2023　　Boundary: Toyobo group (TOYOBO CO., LTD., and domestic and overseas group companies)

		FY2024 results	Calculation methods
Scope 1	☑	659 thousand t-CO_2	In reference to the GHG Protocol, we include GHG emissions, calculated by converting the energy required to produce electricity or steam sold to other companies. GHG emissions with non-energy origins are calculated for Toyobo (non-consolidated) and domestic group companies. The factors shown below are used in the respective calculations. ■CO_2 emission factors for purchased gas: (Domestic) Basic emission factors by gas supplier as listed in the Ministry of the Environment's "Emission Factors by Gas Supplier (for Calculating Greenhouse Gas Emissions of Specified Emitters)—FY2023 Supply Data" (In cases where the emission factor of a given gas supplier was unknown, the "alternative factor" was used.) ■CO_2 emission factors for purchased electricity: (Domestic) Adjusted emission factors by electricity supplier as listed in the Ministry of the Environment's "Emission Factors by Electricity Supplier (for Calculating Greenhouse Gas Emissions of Specified Emitters)—FY2023 Results" (In cases where the emission factor of a given utility was unknown, the "national average factor" was used.) (Overseas) Factors for 2020 listed by country "Emission Factors 2022" (2022), International Energy Agency (IEA) ■CO_2 emission factors other than for purchased electricity: "Greenhouse Gas Emissions Calculation and Reporting Manual (v5.0)" (2024) issued by the Ministry of the Environment and the Ministry of Economy, Trade and Industry (used for both domestic and overseas subjects).
Scope 2	☑	172 thousand t-CO_2	
GHG emissions per unit of sales	☑	2.01 t-CO_2 per million yen	Total Scope 1 and Scope 2 emissions ÷ consolidated net sales
Energy consumption	☑	2,810 GWh	In reference to the GHG Protocol, the energy required to produce electricity or steam sold to other companies is not deducted. The unit calorific values of fuels are based on the Energy Conservation Act and are expressed as higher heating values.
Scope 3 Category 3 Fuel and energy-related activities not included in Scope 1 or Scope 2		108 thousand t-CO_2	The total value obtained by multiplying the amount of fuel and electricity purchased over one year (activity data) by the emission intensity per unit for each type of fuel and electricity, as provided by the Ministry of the Environment database and the Inventory Database for Environmental Analysis (IDEA).
Scope 3 Category 11 Use of sold products	☑	2,944 thousand t-CO_2	The total value is calculated by multiplying the amount of utilities consumed during the use of final products sold over one year (activity data), such as electricity, steam, and chilled water, by the emission factors, useful life, and operating rate. Emission intensity per unit is based on proprietary data derived from the Ministry of the Environment database, IDEA, IEA, and equipment specifications used in the generation of each utility. The calculation focuses on VOC recovery equipment, urine sediment testing equipment, and fully automated gene analysis systems.
Total		5,499 thousand t-CO_2	Calculations are made using weighted averages for some subsidiaries and affiliated companies, according to ratios of sales, sales volume, and number of employees.

People

		FY2024 results
Ratio of women managerial staff*1 *2	☑	5.5%
Ratio of women directors*3		20%
Training investment per employee (and training time)*1		¥50,000 (18.22 hours)
Ratio of annual paid leave taken*1		83.2%
Ratio of men employees taking childcare leave*1		97.7%
Employment ratio of people with disabilities*3		2.29%
Frequency rate of workplace accidents resulting in lost workdays*4		1.15
Frequency of meetings with employees and labor unions*3		60
Implementation of human rights education and training*1		58.1%
Number of internal transfers through the internal recruitment system (cumulative)*5		17

Innovation

	FY2024 results
R&D expenses	¥15.3 billion
Number of patents held*3	4,624

Referenced guidelines

1) In making the calculations, we referred to the "Corporate Value Chain (Scope 3) Accounting and Reporting Standard" and its evaluation guidelines from the GHG Protocol; the "Guidance for Accounting & Reporting Corporate GHG Emissions in the Chemical Sector Value Chain" from the World Business Council for Sustainable Development (WBCSD); and various sources of information on the Green Value Chain Platform.

2) With regard to emission intensity per unit, we referred to the following databases as of March 2024.

- "Emissions Intensity Database for Accounting for Greenhouse Gas Emissions from Organization Supply Chains ver. 3.4" (2024), Ministry of the Environment. Cited as "Ministry of the Environment DB."
- "IDEA (Inventory Database for Environmental Analysis) ver2.3" (2019), National Institute of Advanced Industrial Science and Technology/Sustainable Management Promotion Organization. Cited as "IDEA."
- "Emission Factors 2022" (2022), International Energy Agency (IEA). Cited as "IEA."

*1 Boundary: TOYOBO CO., LTD., TOYOBO MC Corporation, and TOYOBO STC CO., LTD.
*2 Calculation method: Calculated based on the provisions of the Act on Promotion of Women's Participation and Advancement in the Workplace (including those on secondment who are primarily employed by the three companies mentioned above).
*3 Boundary: TOYOBO CO., LTD.
*4 Boundary: TOYOBO CO., LTD., and domestic consolidated subsidiaries. Aggregation period: January 1, 2023, to December 31, 2023.
*5 Cumulative number of transfers since the start of the system in FY2023.

☑ Indicators for fiscal 2024 with this icon are externally assured by KPMG AZSA Sustainability Co., Ltd.
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