



Carbon Footprint of Products

CFP Declaration

Registration number : JR-BA-21001C

Ecoleaf Environmental Labeling Program

Sustainable Management Promotion Organization

2-1, Kaji-cho 2 chome, Chiyoda-ku, Tokyo Japan

<https://ecoleaf-label.jp/>

Kotec Corporation

Recycled Polycarbonate resin
(R grade Polycarbonate recycled 100%)



Functional unit

Per 1 kg

System boundary

final products intermediate products

Main specifications of the product

Grade: R-10 ~ 75

Polycarbonate pellets recycled from
100% of post-industrial scraps

Company Information

Kotec corporation

3-21-15, Chayamadai, Minami, Sakai, 590-0115 Japan

Tel: +81-72-294-8711

Fax: +81-72-294-8533

Registration#	JR-BA-21001C
PCR number	PA-165000-BA-02
PCR name	Recycled plastic raw materials (intermediate products)
Publication date	14th July, 2021
Verification date	8th July, 2021
Verification method	Product-by-product
Verification#	JV-BA-21001
Expiration date	7th July, 2026

PCR review was conducted by:

Approval date	1st October, 2019
PCR review panel chair	Masayuki Kanzaki, Chairperson Association for Industry

Third party verifier*

External verifier | Yuki Sakamoto

Independent verification of data & declaration in accordance with ISO/TS14067

internal external

*Auditor's name is stated if system certification has been performed.

Registration number : JR-BA-21001C



1. Quantification results, and contents of the declaration

CFP quantification unit :

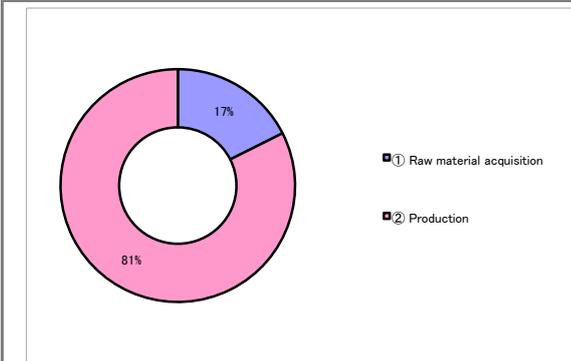
Parameter		Unit	
CFP Quantification results		0.37	kg-CO₂eq
Breakdown	① Raw material acquisition	0.064	kg-CO ₂ eq
	② Production	0.30	kg-CO ₂ eq
Value on CFP mark		0.37	kg-CO₂eq
Unit for the value on CFP mark		Per 1 kg	

*Quantification results may slightly differ from the sum of the breakdown due to rounding of fractions.

3. Supplementary environmental information

Manufactured by Kotec factory that is certified to ISO14001

2. Additional information



4. Interpretation

It is found out that the production process accounts for approx. 84% of the total amount of the greenhouse gas emission, which is the largest in the entire process: from the raw material acquisition to the product shipment. Of the 84% of the gas emission, a major factor attributable to it is the extrusion molding operation. Endeavor of Kotec to improve the productivity and save the energy is considered to be effective in the greenhouse gas emissions reduction.

In regard to the CFP quantification result mentioned above, the value entered at the section①, which is an environmental burden involved in the production, is referenced from a standard database, whereas the value entered at the section② is obtained from the actual production. As standard values (basic unit) are referenced in the assessment, the result might not precisely reflect the properties of the product mentioned above. For this reason, it is to be noted that the result is merely approximate.

5. Assumptions of secondary data used

IDEA v2.1.3 referenced

6. Remarks

- For data quantification, please refer to PCR and Rules on quantification and declaration.
- Comparative assertion is permitted only when Rules on quantification and declaration are satisfied. (Reference URL : <https://ecoleaf-label.jp/regulation/>)
- The CFP only addresses the single impact category of climate change and does not assess other potential social, economic and environmental impacts arising from the provision of a product.