



EcoLeaf

Type III Environmental Declaration (EPD)

Registration number : JR-AI-24213E

Japan EPD Program by SuMPO

Sustainable Management Promotion Organization

14-8, Uchikanda 1-chome, Chiyoda-ku, Tokyo Japan

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

brother
at your side

BROTHER INDUSTRIES, LTD.

4-in-1 Monochrome Laser Printer

MFC-L2960DW for Europe



Functional unit

Per unit of product

System boundary

■ final products □ intermediate products

Raw material acquisition - Production - Distribution

- Use & maintenance - End-of-Life

Main specifications of the product

Model name: MFC-L2960DW

- Multifunction device (EP method)
- Monochrome
- Printing speed: 34ppm (A4)
- Maximum document size: A4
- Print/Copy/Scan/FAX/Automatic duplex printing/
Automatic document feeding
- Product weight: 12.1kg, Packaging etc.: 3.4kg
- Wired/Wireless LAN

* This product is for Europe.

Company Information

Brother Industries, Ltd.

inml-ecoleaf-jimukyoku@brother.co.jp

<https://global.brother/en>

| | |
|-------------------------------------|---|
| Registration# | JR-AI-24213E |
| PCR number | PA-590000-AI-08 |
| PCR name | Imaging input and/or output equipment |
| Publication date | 7/5/2024 |
| Verification date | 6/24/2024 |
| Verification method | System certification |
| Verification# | JV-AI-24213E |
| Expiration date | 6/23/2029 |
| PCR review was conducted by: | |
| Approval date | 9/1/2023 |
| PCR review panel chair | Masayuki Kanzaki Sustainable Management Promotion Organization |

Third party verifier*

Yasuo Koseki

Independent verification of data & declaration in accordance with ISO14025

internal

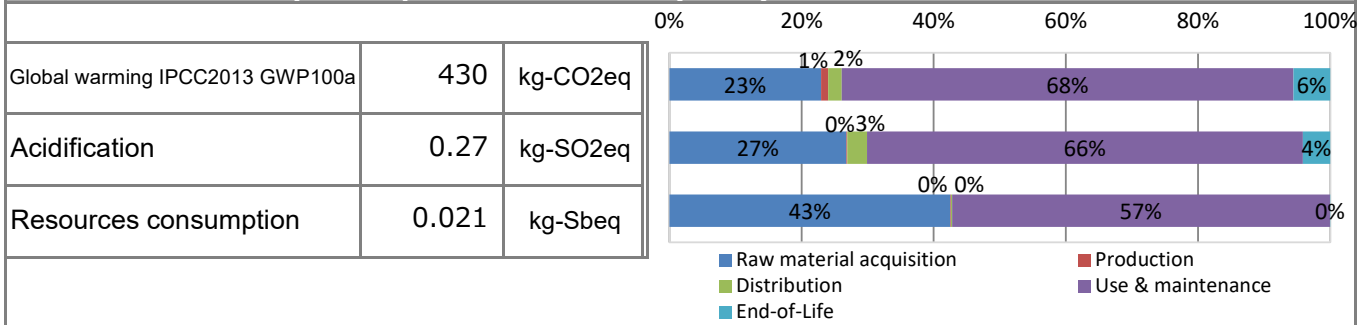
external

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

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1. Results of life cycle impact assessment (LCIA)



| Parameter | stage | | | Raw material acquisition | Production | Distribution | Use & maintenance | End-of-Life |
|---------------------------------|-----------------------|---------|--|--------------------------|------------|--------------|-------------------|-------------|
| | Unit | Total | | | | | | |
| Global warming IPCC2013 GWP100a | kg-CO ₂ eq | 4.3E+02 | | 9.9E+01 | 4.6E+00 | 9.0E+00 | 3.0E+02 | 2.4E+01 |
| Acidification | kg-SO ₂ eq | 2.7E-01 | | 7.2E-02 | 3.3E-04 | 7.9E-03 | 1.8E-01 | 1.1E-02 |
| Resources consumption | kg-Sbeq | 2.1E-02 | | 8.7E-03 | 1.4E-05 | 3.8E-05 | 1.2E-02 | 6.4E-06 |

2. Life cycle inventory analysis (LCI)

| Parameter | Unit | Value |
|----------------------------------|----------------|---------|
| Non-renewable material resources | kg | 1.8E+01 |
| Non-renewable energy resources | MJ | 6.3E+03 |
| Renewable material resources | kg | 4.4E+01 |
| Renewable primary energy | MJ | 1.2E+02 |
| Consumption of freshwater | m ³ | 5.6E-01 |

3. Material composition

| Material | Value | Unit |
|----------------|---------|------|
| Steel | 2.8E+00 | kg |
| SUS | 7.2E-02 | kg |
| Aluminium | 4.1E-02 | kg |
| Other metal | 0.0E+00 | kg |
| Plastic | 7.6E+00 | kg |
| Rubber | 1.2E-01 | kg |
| Glass | 7.0E-01 | kg |
| Paper and Wood | 2.9E+00 | kg |
| Circuit board | 4.9E-01 | kg |
| Othres | 8.9E-01 | kg |

5. Additional explanation

Calculation method for usage stage (scenario) : Multifunction device(EP method), Expected use period: 5 years, Assumed usage: 172,800 sheets, Print measuring method (pattern): ISO/IEC 19798, Printing paper is not included in the environmental impact, The applied Energy Star program version is 3.0, This product is for Europe.

6-1. Supplementary environmental information

This product and main components are produced in ISO 14001 certified factories.

7. Assumptions of secondary data used

Inventory Database: IDEA v2.1.3, and registered data of Japan EPD Program by SuMPO, JLCA data v1.10 are used.

8. Remarks

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- 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/>)