



EcoLeaf

Type III Environmental Declaration (EPD)

Registration number : JR-AI-20008E

Ecoleaf Environmental Labeling Program

Sustainable Management Promotion Organization

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

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

brother
at your side

Compact Color Inkjet All-in-One
MFC-J805DW XL

BROTHER INDUSTRIES, LTD.



Functional unit

Per unit of product

System boundary

■ final products intermediate products

Material - Product - Distribution - Use - Disposition

Main specifications of the product

Model name: MFC-J805DW XL

- Business Facsimile (Color IJ method)
- Product weight: 8.46 kg Packaging etc. :1.43kg
- Maximum paper size A4 (maximum 210 x 297 mm)
- Maximum document width 215.9mm
- G3 compatible up to 14.4kbps (automatic switching)
- Automatic duplex printing
- Wireless / wired LAN

* This product is for North America

Company Information

Brother Industries, Ltd.

TEL: 81-52-824-2511 (Representative)

FAX: 81-52-824-5177

<https://www.brother-usa.com/>

| | |
|-------------------------------------|---|
| Registration# | JR-AI-20008E |
| PCR number | PA-590000-AI-03 |
| PCR name | Imaging input and/or output equipment |
| Publication date | 4/14/2020 |
| Verification date | 3/25/2020 |
| Verification method | System certificaion |
| Verification# | JV-AI-20008 |
| Expiration date | 3/24/2025 |
| PCR review was conducted by: | |
| Approval date | 11/ 8/2019 |
| PCR review panel chair | Masayuki Kanzaki Sustainable Management Promotion Organization |

Third party verifier*

Wataru Kawamura

Independent verification of data & declaration in accordance with ISO14025

internal

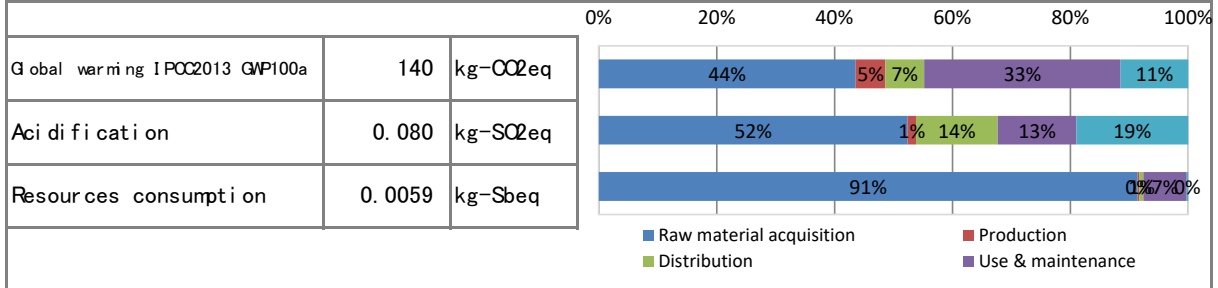
external

*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 | Unit | Total | Raw material acquisition | Production | Distribution | Use & maintenance | End-of-Life |
|---------------------------------|-------|-----------------------|---------|--------------------------|------------|--------------|-------------------|-------------|
| Global warming IPCC2013 GWP100a | | kg-CO ₂ eq | 1.4E+02 | 6.0E+01 | 7.0E+00 | 9.1E+00 | 4.6E+01 | 1.6E+01 |
| Acidification | | kg-SO ₂ eq | 8.0E-02 | 4.2E-02 | 1.1E-03 | 1.1E-02 | 1.1E-02 | 1.5E-02 |
| Resources consumption | | kg-Sbeq | 5.9E-03 | 5.4E-03 | 2.0E-05 | 3.9E-05 | 4.3E-04 | 1.5E-05 |

2. Life cycle inventory analysis (LCI)

| Parameter | Value | Unit |
|----------------------------------|---------|----------------|
| Non-renewable material resources | 5.9E+00 | kg |
| Non-renewable energy resources | 4.9E+01 | kg |
| Renewable material resources | 1.1E+01 | kg |
| Renewable primary energy | 1.2E+02 | MJ |
| Consumption of freshwater | 9.8E-02 | m ³ |

3. Material composition

| Material | Value | Unit |
|----------------|---------|------|
| Steel | 1.5E+00 | kg |
| SUS | 4.8E-02 | kg |
| Aluminium | 2.0E-03 | kg |
| Other metal | 2.3E-03 | kg |
| Plastic | 5.2E+00 | kg |
| Rubber | 1.2E-01 | kg |
| Glass | 6.3E-01 | kg |
| Paper and Wood | 1.2E+00 | kg |
| Circuit board | 2.8E-01 | kg |
| Othres | 8.5E-01 | kg |

5. Additional explanation

- Product destination: North America
- Calculation method for usage stage (scenario)
 - Inkjet business facsimile
 - Expected use period: 5 years
 - Transmission / reception: 48,000 each ITUT No.1 chart
 - Use pattern when measuring power: ITUT No.1 chart
 - Printing paper is not included in the above environmental impact



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(EPD)

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6-1. Supplementary environmental information

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

7. Assumptions of secondary data used

Inventory Database: IDEA v2.1.3, and registered data of EcoLeaf Environmental Labeling Program, JLCA data v1.07 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/>)

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