



EcoLeaf

Type III Environmental Declaration (EPD)

Registration number : JR-AI-21107E

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

BROTHER INDUSTRIES, LTD.

Compact Color Inkjet All-in-One
MFC-J1012DW



Functional unit

Per unit of product

System boundary

■ final products □ intermediate products

Material - Production - Distribution - Use - End-of-Life

Main specifications of the product

Model name: MFC-J1012DW

- Personal Facsimile (Color IJ method)
- Product weight: 7.7kg Packaging etc.: 1.0kg
- Maximum paper size (maximum 215.9 x 297 mm)
- G3 compatible
- Automatic duplex printing
- Wireless 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-21107E
PCR number	PA-590000-AI-03
PCR name	Imaging input and/or output equipment
Publication date	11/5/2021
Verification date	10/26/2021
Verification method	System certificaion
Verification#	JV-AI-21107
Expiration date	10/25/2026
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

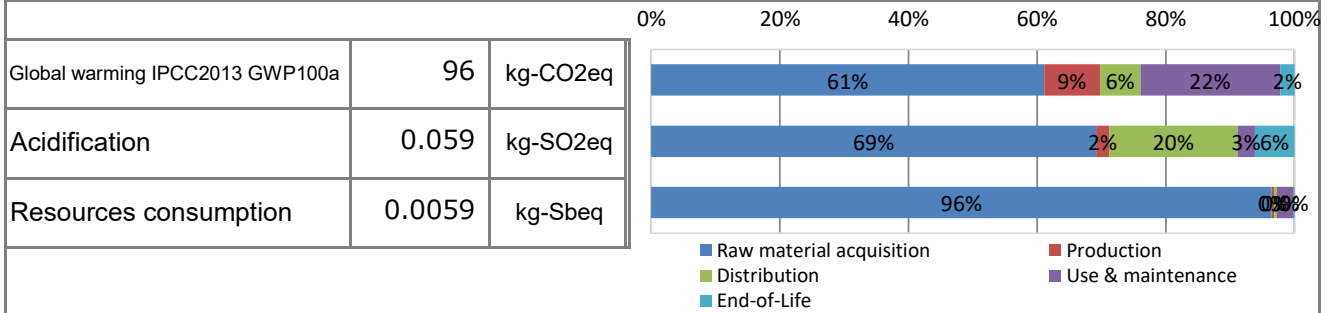
internal external

*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	9.6E+01	5.9E+01	8.3E+00	6.1E+00	2.1E+01	2.1E+00
Acidification		kg-SO ₂ eq	5.9E-02	4.1E-02	1.2E-03	1.2E-02	1.6E-03	3.6E-03
Resources consumption		kg-Sbeq	5.9E-03	5.6E-03	2.4E-05	2.6E-05	1.5E-04	8.9E-06

2. Life cycle inventory analysis (LCI)

項目	Value	単位
Non-renewable material resources	5.6E+00	kg
Non-renewable energy resources	3.9E+01	kg
Renewable material resources	9.7E+00	kg
Renewable primary energy	1.0E+02	MJ
Consumption of freshwater	8.4E-02	m ³

3. Material composition

Material	Value	Unit
Steel	1.6E+00	kg
SUS	4.1E-02	kg
Aluminium	1.9E-03	kg
Other metal	2.2E-03	kg
Plastic	4.4E+00	kg
Rubber	2.0E-01	kg
Glass	6.2E-01	kg
Paper and Wood	9.2E-01	kg
Circuit board	2.9E-01	kg
Othres	6.5E-01	kg



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5. Additional explanation

Calculation method for usage stage (scenario):

Facsimile (personal model), Expected use period: 5 years, Transmission / reception: 900 each, Use pattern when measuring power: ITUT No.1 chart, Printing paper is not included in the environmental impact, This product is for North America.

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 v1.10 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/>)

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