



EcoLeaf

Type III Environmental Declaration (EPD)

Registration number : JR-AI-22032E

Japan EPD Program by SuMPO

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.

Business Color Laser Printer with Duplex Printing

HL-L9410CDN



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: HL-L9410CDN

- Printer (EP method)
- Color
- Product weight: 28.2kg Packaging etc.: 4.2kg
- Printing Speed: 40ppm (A4)
- Automatic duplex printing
- 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-22032E
PCR number	PA-590000-AI-04
PCR name	Imaging input and/or output equipment
Publication date	12/12/2022
Verification date	5/30/2022
Verification method	System certificaion
Verification#	JV-AI-22032E
Expiration date	5/29/2027
PCR review was conducted by:	
Approval date	4/1/2022
PCR review panel chair	Masayuki Kanzaki Sustainable Management Promotion Organization

Third party verifier*

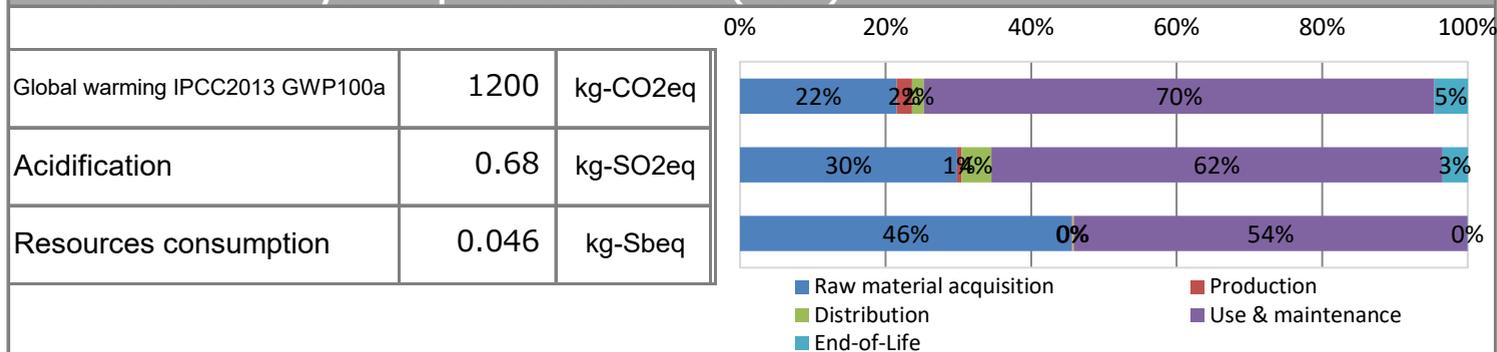
Wataru Kawamura

Independent verification of data & declaration in accordance with ISO14025

internal external

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

Registration number : JR-AI-22032E

**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	1.2E+03	2.5E+02	2.4E+01	1.9E+01	8.1E+02	5.3E+01
Acidification		kg-SO ₂ eq	6.8E-01	2.0E-01	4.2E-03	2.8E-02	4.2E-01	2.4E-02
Resources consumption		kg-Sbeq	4.6E-02	2.1E-02	5.0E-05	7.9E-05	2.5E-02	1.4E-05

2. Life cycle inventory analysis (LCI)

項目	値	単位
Non-renewable material resources	4.8E+01	kg
Non-renewable energy resources	4.1E+02	kg
Renewable material resources	1.5E+02	kg
Renewable primary energy	3.6E+02	MJ
Consumption of freshwater	1.1E+00	m ³

3. Material composition

Material	値	Unit
Steel	8.9E+00	kg
SUS	2.7E-01	kg
Aluminium	4.1E-01	kg
Other metal	1.0E-01	kg
Plastic	1.6E+01	kg
Rubber	2.1E-01	kg
Glass	2.7E-01	kg
Paper and Wood	3.4E+00	kg
Circuit board	1.2E+00	kg
Othres	1.8E+00	kg

5. Additional explanation

Calculation method for usage stage (scenario) : Printer (EP), Expected use period: 5 years, Assumed usage: 240,000 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 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 Japan EPD Program by SuMPO, JLCA data v1.10 are used.

8. 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/>)