



EcoLeaf

Type III Environmental Declaration (EPD)

Registration number : JR-AI-22181E

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.

Compact Monochrome Laser All-in-One Printer
with Duplex Printing and Wireless Networking

MFC-L2690DW for USA



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-L2690DW

- Business Facsimile (Monochrome EP method)
- Product weight: 11.5kg Packaging etc.: 2.2kg
- Maximum paper size: A4, Letter
- Super G3
- Automatic duplex printing
- Wireless LAN

* This product is for USA.

Company Information

Brother Industries, Ltd.

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

FAX: 81-52-824-5177

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

Registration#	JR-AI-22181E
PCR number	PA-590000-AI-04
PCR name	Imaging input and/or output equipment
Publication date	10/19/2022
Verification date	9/30/2022
Verification method	System certificaion
Verification#	JV-AI-22181E
Expiration date	9/29/2027
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

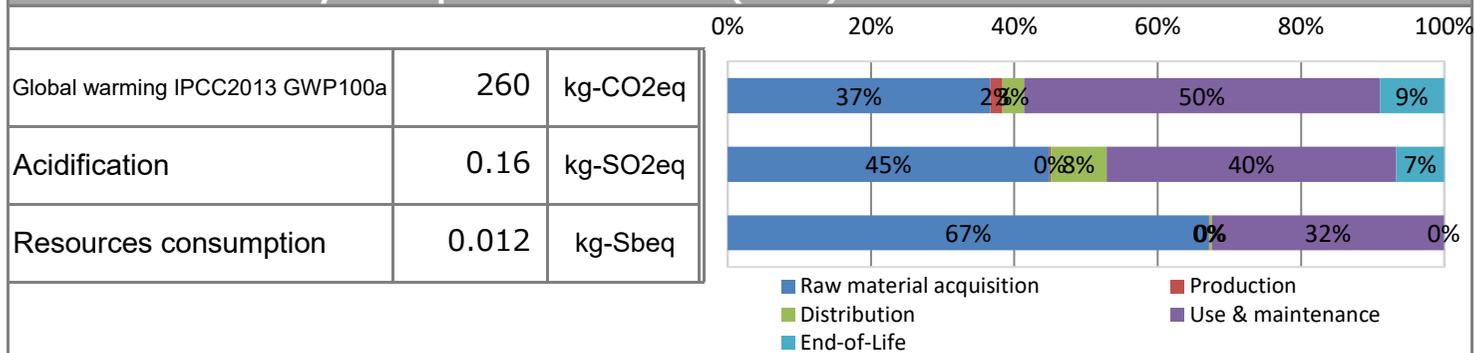
external

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

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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	2.6E+02	9.7E+01	4.4E+00	8.1E+00	1.3E+02	2.4E+01
Acidification		kg-SO ₂ eq	1.6E-01	7.1E-02	3.1E-04	1.2E-02	6.4E-02	1.1E-02
Resources consumption		kg-Sbeq	1.2E-02	7.8E-03	1.3E-05	3.4E-05	3.8E-03	5.7E-06

2. Life cycle inventory analysis (LCI)

項目	Value	単位
Non-renewable material resources	1.2E+01	kg
Non-renewable energy resources	9.2E+01	kg
Renewable material resources	2.6E+01	kg
Renewable primary energy	9.9E+01	MJ
Consumption of freshwater	2.7E-01	m ³

3. Material composition

Material	Value	Unit
Steel	2.4E+00	kg
SUS	4.9E-02	kg
Aluminium	7.7E-02	kg
Other metal	0.0E+00	kg
Plastic	7.3E+00	kg
Rubber	2.4E-01	kg
Glass	6.7E-01	kg
Paper and Wood	1.7E+00	kg
Circuit board	4.6E-01	kg
Othres	7.3E-01	kg

5. Additional explanation

Calculation method for usage stage (scenario) : Facsimile (business model), Expected use period: 5 years, Transmission / reception: 48,000 each, Use pattern when measuring power: ITUT No.1 chart, Printing paper is not included in the environmental impact, This product is for USA.

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

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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/>)