



EcoLeaf

Type III Environmental Declaration (EPD)

Registration number : JR-AI-22082E

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 All-in-One Printer

MFC-EX670W 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-EX670W

- Business Facsimile (Color EP method)
- Product weight: 37.5kg Packaging etc.: 5.5kg
- Maximum paper size: A4, Letter
- Super G3
- Automatic duplex printing
- Wired/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-22082E
PCR number	PA-590000-AI-04
PCR name	Imaging input and/or output equipment
Publication date	12/12/2022
Verification date	10/11/2022
Verification method	System certificaion
Verification#	JV-AI-22082E
Expiration date	10/10/2027
PCR review was conducted by:	
Approval date	4/1/2022
PCR review panel chair	Masayuki Kanzaki Sustainable Management Promotion Organization

Third party verifier*

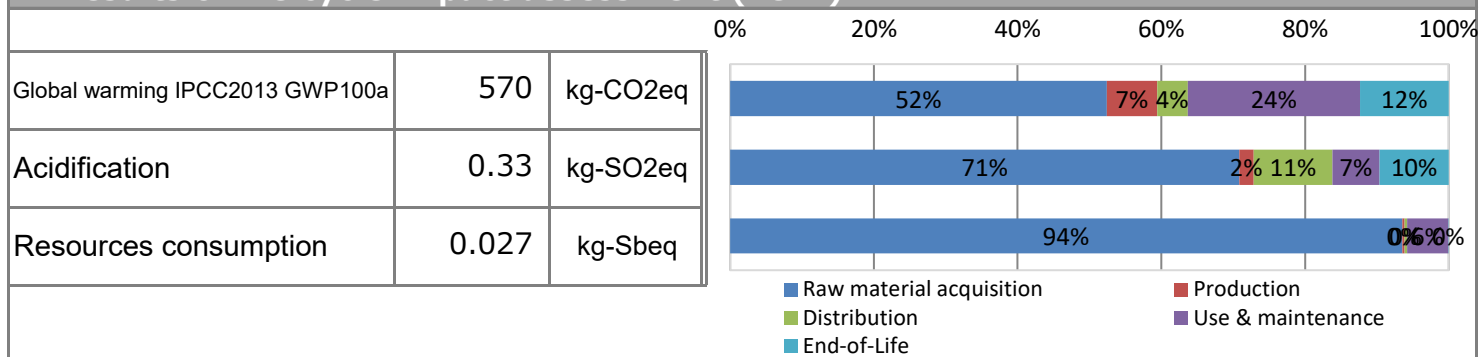
Wataru Kawamura

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	5.7E+02	3.0E+02	4.0E+01	2.4E+01	1.4E+02	7.1E+01
Acidification		kg-SO ₂ eq	3.3E-01	2.3E-01	6.6E-03	3.6E-02	2.2E-02	3.2E-02
Resources consumption		kg-Sbeq	2.7E-02	2.5E-02	8.0E-05	1.0E-04	1.5E-03	1.8E-05

2. Life cycle inventory analysis (LCI)

項目	Value	単位
Non-renewable material resources	2.2E+01	kg
Non-renewable energy resources	2.1E+02	kg
Renewable material resources	6.7E+01	kg
Renewable primary energy	2.1E+02	MJ
Consumption of freshwater	5.2E-01	m ³

3. Material composition

Material	Value	Unit
Steel	1.1E+01	kg
SUS	2.8E-01	kg
Aluminium	4.1E-01	kg
Other metal	1.1E-01	kg
Plastic	2.2E+01	kg
Rubber	2.7E-01	kg
Glass	1.1E+00	kg
Paper and Wood	4.4E+00	kg
Circuit board	1.5E+00	kg
Othres	2.2E+00	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/>)